

Sequence List

<110> Rosen et al.

<120> 83 Human Secreted Proteins

<130> PS735

<150> PCT/US02/05064

<151> 2002-02-21

<150> US 60/270,658

<151> 2001-02-23

<150> US 60/304,444

<151> 2001-07-12

<160> 445

<170> PatentIn Ver. 2.0

<210> 1

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1

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tctccggac	tcctgagggtc	acatgcgtgg	tggtggacgt	aagccacgaa	gaccctgagg	180
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<210> 2

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<221> Site

<222> (3)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 2

Trp Ser Xaa Trp Ser

1 5

<210> 3

<211> 86

<212> DNA

<213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic sequence with 4 tandem copies of the GAS binding site
 found in the IRF1 promoter (Rothman et al., Immunity 1:457-468
 (1994)), 18 nucleotides complementary to the SV40 early promoter,
 and a Xho I restriction site.

<400> 3
 gcgcctcgag atttccccga aatctagatt tccccgaaat gatttcccg aatgatttc 60
 cccgaaatat ctgccatctc aattag 86

<210> 4
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic sequence complementary to the SV40 promoter; includes a
 Hind III restriction site.

<400> 4
 gcggcaagct ttttgc当地 cctaggc 27

<210> 5
 <211> 271
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Protein_Bind
 <223> Synthetic promoter for use in biological assays; includes GAS
 binding sites found in the IRF1 promoter (Rothman et al., Immunity
 1:457-468 (1994)).

<400> 5
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 gcccctaact cccggccagg ccggccatcc tccgccccat ggctgactaa ttttttttat 180
 ttatgcagag gccc当地 cctcggccctc tgagctattc cagaagtagt gaggaggctt 240
 ttttggaggg ctaggcttt gaaaaagct t 271

<210> 6
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic primer complementary to human genomic EGR-1 promoter
 sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a
 Xho I restriction site.

<400> 6
 gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 7
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Hind III restriction site.

<400> 7
gcgaagcttc gcgactcccc ggatccgcct c 31

<210> 8
<211> 12
<212> DNA
<213> Homo sapiens

<400> 8
ggggactttc cc 12

<210> 9
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic primer with 4 tandem copies of the NF-KB binding site (GGGGACTTCCCC), 18 nucleotides complementary to the 5' end of the SV40 early promoter sequence, and a XhoI restriction site.

<400> 9
gcggcctcga ggggactttc ccggggactt tccgggact ttccggact ttccatcctg 60
ccatctcaat tag 73

<210> 10
<211> 256
<212> DNA
<213> Artificial Sequence

<220>
<221> Protein_Bind
<223> Synthetic promoter for use in biological assays; includes NF-KB binding sites.

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caattagtca gcaaccatag tcccgcctt aactccggcc atcccgcccc taactccgccc 120
cagttccggc cattctccgc cccatggctg actaattttt tttatattatg cagaggccga 180
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cttttgcaaa aagctt 256

<210> 11
<211> 1172
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (861)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1069)
<223> n equals a,t,g, or c

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agttggagga	agagggcagc	tctaaaccac	ctattcctgg	ctctaggcct	ctcaggccag	300
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<210> 12

<211> 1649

<212> DNA

<213> Homo sapiens

<400> 12

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<210> 13

<211> 1965

<212> DNA

<213> Homo sapiens

<400> 13

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<210> 14

<211> 3371

<212> DNA

<213> Homo sapiens

<400> 14

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<400> 15

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aaaaaaaaaa	aaaa					1214

<210> 16
<211> 896
<212> DNA
<213> Homo sapiens

<400> 16

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<210> 17
<211> 1299
<212> DNA
<213> Homo sapiens

<400> 17

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<210> 18
 <211> 1796
 <212> DNA
 <213> Homo sapiens

<400> 18

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<210> 19
 <211> 1881
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1865)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1873)

<223> n equals a,t,g, or c

<400> 19

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<210> 20

<211> 2618

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2597)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2599)

<223> n equals a,t,g, or c

<400> 20

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<210> 21

<211> 1549

<212> DNA

<213> Homo sapiens

<400> 21

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<210> 22

<211> 3239

<212> DNA

<213> Homo sapiens

<400> 22

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<211> 1433

<212> DNA

<213> Homo sapiens

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<211> 2517

<212> DNA

<213> Homo sapiens

<220>

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<222> (950)

<223> n equals a,t,g, or c

<220>

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<223> n equals a,t,g, or c

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<211> 807

<212> DNA

<213> Homo sapiens

<400> 25

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<210> 26

<211> 554

<212> DNA

<213> Homo sapiens

<400> 26

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<211> 1319

<212> DNA

<213> Homo sapiens

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<211> 1487

<212> DNA

<213> Homo sapiens

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<211> 1889

<212> DNA

<213> Homo sapiens

<400> 29

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 <212> DNA
 <213> Homo sapiens

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 <211> 1162
 <212> DNA
 <213> Homo sapiens

<400> 31						
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<211> 2799

<212> DNA
<213> Homo sapiens

<400> 32

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<210> 33
<211> 1656
<212> DNA

<213> Homo sapiens

<400> 33

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<210> 34

<211> 2051

<212> DNA

<213> Homo sapiens

<400> 34

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<210> 35

<211> 2053

<212> DNA

<213> Homo sapiens

<400> 35

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<210> 36

<211> 576

<212> DNA

<213> Homo sapiens

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<221> SITE
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (565)
<223> n equals a,t,g, or c

<400> 36

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<210> 37

<211> 1290

<212> DNA

<213> Homo sapiens

<400> 37

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<210> 38

<211> 1322

<212> DNA

<213> Homo sapiens

<400> 38

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<211> 1877

<212> DNA

<213> Homo sapiens

<400> 39

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 <212> DNA
 <213> Homo sapiens

<400> 41

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 <212> DNA
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<210> 43

<211> 1532

<212> DNA

<213> Homo sapiens

<400> 43.

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<210> 44

<211> 1300

<212> DNA

<213> Homo sapiens

<400> 44

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<211> 2564

<212> DNA

<213> Homo sapiens

<400> 45

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<211> 2594

<212> DNA

<213> Homo sapiens

<400> 46

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<210> 47

<211> 2030

<212> DNA

<213> Homo sapiens

<400> 47

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<211> 1602

<212> DNA

<213> Homo sapiens

<400> 48

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<211> 508
<212> DNA
<213> Homo sapiens

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<211> 612
<212> DNA
<213> Homo sapiens

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<211> 2291
<212> DNA
<213> Homo sapiens

<400> 51

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 <211> 2842
 <212> DNA
 <213> Homo sapiens

<400> 52	
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<211> 765

<212> DNA

<213> Homo sapiens

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<211> 1896

<212> DNA

<213> Homo sapiens

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 <211> 1876
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 56

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<211> 652

<212> DNA

<213> Homo sapiens

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<210> 58

<211> 1352

<212> DNA

<213> Homo sapiens

<400> 58

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<211> 1335

<212> DNA

<213> Homo sapiens

<400> 59

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<211> 2140

<212> DNA

<213> Homo sapiens

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<210> 61
<211> 257
<212> DNA
<213> Homo sapiens

<400> 61	
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<210> 62
<211> 684
<212> DNA
<213> Homo sapiens

<400> 62	
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<210> 63
<211> 1977
<212> DNA
<213> Homo sapiens

<400> 63	
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<210> 64

<211> 2632

<212> DNA

<213> Homo sapiens

<400> 64

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tatcatgacc	tgtcagctc	tcttaactc	ctttcttctc	360
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<210> 65

<211> 1241

<212> DNA

<213> Homo sapiens

<400> 65

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<210> 66

<211> 1154

<212> DNA

<213> Homo sapiens

<400> 66

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<210> 67
 <211> 1077
 <212> DNA
 <213> Homo sapiens

<400> 67

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<210> 68
 <211> 3067
 <212> DNA
 <213> Homo sapiens

<400> 68

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<210> 69

<211> 3453

<212> DNA

<213> Homo sapiens

<400> 69

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<213> Homo sapiens

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<210> 75

<211> 1129

<212> DNA

<213> Homo sapiens

<400> 75

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<210> 76
<211> 1889
<212> DNA

<213> Homo sapiens

<400> 76

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<210> 77

<211> 845

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (807)

<223> n equals a,t,g, or c

<400> 77

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<210> 78

<211> 1799

<212> DNA

<213> Homo sapiens

<400> 78

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<210> 79

<211> 2463

<212> DNA

<213> Homo sapiens

<400> 79

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<210> 80

<211> 1168

<212> DNA

<213> Homo sapiens

<400> 80

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1168

<210> 81

<211> 1707

<212> DNA

<213> Homo sapiens

<400> 81

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gaatgattt	ctaaaaaaaaaa	aaaattgaga	ctgtattgtt	cc	ttgtctt	a	180
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gct	gg	gg	ttt	ttt	ttt	tttcc	1440
cact	tg	gg	ttt	ttt	ttt	tttcc	1500
aaa	at	ttt	ttt	ttt	ttt	tttcc	1560
ctgagg	gg	aa	ttt	ttt	ttt	tttcc	1620
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aaaa	aa	aa	aa	aa	aa	aa	1707

<210> 82

<211> 1480

<212> DNA

<213> Homo sapiens

<400> 82

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cactgt	gcca	ag	cac	ttt	cc	ttt	ttt	ttt	ttt	420
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tcagtt	at	tc	ttt	ttt	ttt	ttt	ttt	ttt	ttt	600
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<210> 83
<211> 425
<212> DNA
<213> Homo sapiens

<400> 83						
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<210> 84
<211> 1732
<212> DNA
<213> Homo sapiens

<400> 84						
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<210> 85
<211> 2131
<212> DNA
<213> Homo sapiens

<400> 85

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<210> 86
<211> 1143
<212> DNA
<213> Homo sapiens

<400> 86

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<210> 87
<211> 641
<212> DNA
<213> *Homo sapiens*

<400> 87
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<210> 88
<211> 1524
<212> DNA
<213> Homo sapiens
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1524

<210> 89
<211> 1810

<212> DNA
<213> Homo sapiens

<400> 89

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<210> 90

<211> 1617

<212> DNA

<213> Homo sapiens

<400> 90

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<210> 91

<211> 758

<212> DNA

<213> Homo sapiens

<400> 91

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<210> 92

<211> 2152

<212> DNA

<213> Homo sapiens

<400> 92

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ga	atc	gt	gt	cc	cc	cc	cc	cc	cc	480
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ca	act	cc	cc	cc	cc	cc	cc	cc	cc	660
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gc	atc	gt	gt	cc	cc	cc	cc	cc	cc	780
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ca	aa	cc	cc	cc	cc	cc	cc	cc	cc	900
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gg	cc	cc	cc	cc	cc	cc	cc	cc	cc	1080
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gatgccccag	tgtccggat	gtgtggccag	ctgctgcagg	caggactcca	gcgtcaggat	1860
gttgc当地actt	ggagtatgaa	caatgggcac	ggggtttca	gccacagttc	cctcgaggcc	1920
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ggatttgggt	tatcataagg	tgttaagagt	cccttgc当地aa	agggcagtg	ggagttatgg	2040
ggtcatcaag	gaccttgct	ctcttgc当地	tgtcaacca	gttttggct	ccaggtggat	2100
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<210> 93

<211> 758

<212> DNA

<213> Homo sapiens

<400> 93

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cccccagctc	tatgcaccc	ccacccctgggg	tctggcttct	ccatctccac	accccttga	120
ggggcttctg	tctccccc	ccccctcgat	cgcaggagggc	agtgcctggc	cggggtc当地a	180
ggcacctgtc	accccccagctc	ctcactcctc	acccactcac	atccagtccg	tttgc当地atg	240
acacccagga	ttagacactgc	acgcagtggc	ttacagcagc	acgatttgc	acagcccgag	300
gcggagaaca	ccgaacaccc	agtgaaggtg	aggggatcag	cacggcggcc	ccaccgtgct	360
ggaacgagac	tca	ggagggtgc当地	agctctgacc	cagggccacag	tgc当地atgca	420
ccttgc当地at	gtcacgctc	gtgagagaca	ccagacacag	aagggtacgc	tgtgatcc	480
cttctatgaa	atgtccagga	cagaccaatc	cacagaatca	gggagaggat	tcgtgggtgc	540
cgggactggg	gagggggacc	tgggggtgac	taggtgacat	aatggggaca	gggctgc当地	600
ctgggtgatg	agaatgttct	ggaatcagat	gggatggctg	cacggcgtgg	tgaaggtact	660
gaacgccacc	tca	acggtagatt	ttgtat	ccacaataaa	caaaca	720
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	758

<210> 94

<211> 1116

<212> DNA

<213> Homo sapiens

<400> 94

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tagaaatcca	aaagcataaa	gatagggagg	tgggtatgga	gcacccctct	tctggaaatg	180
actggctgt	tgttgc当地	atctccacag	tca	tca	cgactatgtc	240
tgaaacaccc	agccgttccg	gacccctt	ccttc当地	cgactatgtc	atgtaccctc	300
ctcatttgc当地	cagtagtct	tgggtgtact	acgc当地	ttggaccaggc	agccccaa	360
cttctatgct	ccccctccaca	ggc当地	gcaacgatgc	agccagggtt	gggaagagca	420
gccggagccg	catgatgt	tattccccc	actctacagg	gagtgccaa	aacacctca	480
gagacatgga	ggc当地	gaaggctggt	ccc当地	tcgtc当地	cgcttctca	540
gaagctcaga	agaaaagag	gtgaggaga	aaagaa	ccaa	ggagg	600
gtccttgc当地	aggacacgc	tccagctccc	tgccaa	ccac	ctgg	660
aggaggccctt	cattgacact	cattgtcacc	tggacatgt	ctattccaa	ctatcttcc	720
aaggagccctt	tacaaatgtc	agaaaaat	acagcagctc	cttccctaa	gaat	780
gctgc当地	tgacttctgt	gttagaggag	gaaaagcga	gatgacatgg	aagtctccaa	840
gcctgtgcca	tccaccc	aaggaaa	acaagggtgt	atctactt	ctctctagga	900
tttagattat	catttatgt	ctgttgcaca	gtgaaaccc	acctgtgtgg	gcgtgaa	960
tgattggcat	tgttttgc当地	tcagctt	ttgatggctaa	ttgtttc	tgtgctgtgg	1020

gaatgcctct gtatTTTTc ccctcttgg ccatctttt ctgaaaataa agtgatggat 1080
 cctctagcca aaaaaaaaaa aaaaaaaaaa aaaagg 1116

<210> 95
 <211> 724
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<400> 95

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gggcttggat tactcttaca agtgcaccac gcctgtccca gaacagcaca aggtatTTGA	120
gagacagctg cagctggctg tgcTCTaaa gaagcccttg gtgatccact gcccagaAGC	180
tgcTGAAGAT ctgCTAGAAA tcatgaaaaa gtttgcGCC cctgactaca agatccatAG	240
gcattgttcc accggcagct acccggtcat tgagccccctg ctgaagtact ttcccaacat	300
gtctgtggc ttcacggcag tgctgacata ctccTCTGCC tgggaggccc gggaaGCCTT	360
gaggcagatc ccactggaga gaatcatcgT gggaaacggat gctccctatt tcctccctcg	420
ccaggTTccc aaaAGCCTT gccagtatgc ccaccgggc ctggcCTTgc atacggTCCG	480
agagattGCC agagtCAAAG atcagccact ctccctcacc ttggcTGCCT tgcgtgagaa	540
caccagTCGc ctctacagTC tttaAGCAGA gaaggtaCAG tcctcggag tctcctagaa	600
aaggTCGtaa aactcacatt ctgtatTTT taaaaaccAG gacaagtctt ttgttgcatt	660
ttgttaatgt aaagaatata aacatagtat gagcattaaa aaaaaaaaaa aaaaaaaaaa	720
aaaa	724

<210> 96
 <211> 636
 <212> DNA
 <213> Homo sapiens

<400> 96

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tggccattcg ggctcagcac agcaacgcAG cccagactca gactggggAA gcaaacagGG	180
gctggacagg ccaggagAGC ctgtcggaca gtgatcCTGA gatgtgggAG ttgctgcAGA	240
gggagaAGGA caggcagtGT cgtggcCTGG agctcattGC ctyagagaAC ttctgcAGCC	300
gagctgcGCT ggaggCCCTG gggTcCTGTc tgaacaACAA gtactcggAG ggttatCCTG	360
gcaagagata ctatggggGA gcagaggTGG tggatgAAAT tgagctgCTG tgccAGCAGC	420
gggcCTTggA agcTTTgAC ctggatcCTG cacagtgggg agtcaatgtC cagccCTACT	480
ccgggtcccc agccaacCTG gccgtttaca cagccCTTCT gcaacctCAC gaccggatCA	540
tggggCTGGA cctgccccGAT gggggccATC tcacccacGG ctacatgtCT gacgtcaAGC	600
ggatATCAGC cacgtccATC ttcttcGAGT ctatGC	636

<210> 97
 <211> 1204
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1187)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1196)
 <223> n equals a,t,g, or c

<400> 97

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cgacctcagg	tcaggaaaag	cccaccgaag	ggccaagaaa	cacctgcctg	gggagcaaca	180
acatgtacga	catcttcaac	ttgaatgaca	aggcttgc	cttcaccaag	tgcaggcagt	240
cgggcagcga	ctcctgcaat	gtggaaaact	tgcagagata	ctggctaaac	tacgaggccc	300
atctgatgaa	ggaagggttg	acgcagaagg	tgaacacgcc	tttcctgaag	gctttggtcc	360
agaacctcag	caccaacact	gcagaagact	tctatttctc	tctggagccc	tctcagggttc	420
cgaggcaggt	gatgaaggac	gaggacaagc	cccctgacag	agtgcgactt	cccaagagcc	480
tttttcgatc	cctgccagc	aacaggtctg	tggtccgctt	ggccgtcacc	attctggaca	540
ttggtccagg	gactctctc	aaggtgagga	ctcagggaaag	ctccaagggtt	aagtgcctagg	600
tcctctgggg	gctccatgcc	acagtttgct	gtcacttgag	cctggcgagg	gatccaatgg	660
ggacagagca	ggcagtgagc	ctcttagtgt	ttctaatgca	gcccgtggcc	atctcagaca	720
cctgtcacta	gagtctatgg	tcttcagact	cacactggtc	acacgctctc	agatgttga	780
ccccccacaca	tgagtgccct	ttggcttgctc	tatgtgtcct	gtgggtgctc	gtgtgctctg	840
tgtgtcctcg	tgcacatgcaca	aacatgcaca	tcctttctc	ttcttgctca	cgcacaagcc	900
catgtactca	gctgtgatca	tatccacacg	agcaagtgt	cccatgccc	tgcacatgtg	960
tataccaggt	atgtgcaccc	agaggtgtgc	atccactcct	gtgcagacgt	gtgtacccct	1020
gagggctagt	gtgctccccc	caccagcctc	ctttctaccc	aatgcacact	cacgctaaga	1080
ccctcagggg	cacgctatcc	tccccctga	cttccatttc	ttggctgatc	ttggcccccatt	1140
cccccccttt	mscttttaaa	gggttttaaa	aaagggaagg	ggggggnc	aaaggnaaaag	1200
gggg						1204

<210> 98

<211> 1117

<212> DNA

<213> Homo sapiens

<400> 98

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ctgggttcct	gtgggtcatg	tcccaagcg	ggggctacac	ccagctctc	cagggagccc	120
ttgtgtgctc	ggctgtgggg	gacgctgccc	tcatctggcc	ggcagccttc	gtccctggca	180
tggccgcctt	tgccaccgccc	cacccctct	acgtctggcc	cttcggcttc	tctccctgc	240
agccccggcct	gctgtgctc	atcatctgg	ccccctggccc	ctacccctc	cttgcgtcc	300
agcacctcga	gccggatatg	gtcctgccc	tggcagcc	tgggctgatc	ctgatggcca	360
tgctgtggcg	cgccctggcc	cagggcgcc	gtgcccggct	gggcgcgc	cttccacgc	420
tctctgatgg	cgtgtggcc	tgggacacct	tcgcccagcc	cctggcccat	gcccrcctgg	480
tsatcatgac	cacccat	gctgccc	tcctcatcac	actgtcagcc	ctcaggagcc	540
cggtgcccaa	gactgactga	ctagggagct	tgaaggcc	gtgtcagcc	ccttcctcc	600
tgcaaggacc	tgggcctccc	agccca	ggcc	ataccctc	cagcgaagct	660
tcctgacgccc	tgtctgcagg	cgcgtcgcc	gccgtcg	ctggctgaag	acgtttgagg	720
acgatttgcc	gaatttccaa	tccactact	gttccagct	gccttcccc	gttctgact	780
ccagatccct	ggctcctc	ccagccc	atggggcc	cccagccacc	agcctgcctc	840
catgttca	gtcgccccca	cacccctgccc	gccccctgt	gctgtctga	atccgtttc	900
cctgtgggtg	tggaccgt	gtgttgc	ttaccgt	agaggcctcg	gggagggtca	960
tcatttgtat	aaaccatcgc	gtttaatgac	agcagaaggt	tcttgctc	tccccatgga	1020
ccaggcctgg	tgcccagtg	gaccctccat	ggccctctgg	tggggggatt	cggggggata	1080
aagtgaggat	tgtgcagaac	tgaaaaaaa	aaaaaaa			1117

<210> 99
<211> 1092
<212> DNA
<213> Homo sapiens

<400> 99
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attgaagctg ctggcccagc atgtggtcg cgagccagt tgctgtggtg gcctttgcg 120
ccgggctttt ggtctctcac ccggtgctga cgcagggcca ggaggccggg gggcgccag 180
gggcccactg tgaagtatgt aaagaattct tgaaccgatt ctacaagtca ctgatagaca 240
gaggagttaa ctttcgctg gacactata gaaaagaatt gatcagttt tgcttgaca 300
ccaaaggaaa agaaaaccgc ctgtgtatt atctaggagc cacaaaagac gcagccacaa 360
agatcctaag tgaagtcaact cgcccaatga gtgtgcataat gcctgcaatg aagatttg 420
agaagctgaa gaagttggat agccagatct gtgagctgaa atatgaaaaa acactggact 480
tggcatcagt tgacactgccc aagatgagag tggcagagct gaagcagatc ctgcataagct 540
ggggggagga gtgcaggccc tgtcagaaaa aaactgacta tgtgaatctc attcaagagc 600
tggcccccaa gtatgcagcg acacacccca aaacagagct ctgatctcca atgccagcac 660
atttgtgact tctaattt gaaaaatgt actctctagg atatggacat gttgattaag 720
gataactggg aatgcataat atttggctc atgcctttt tgttgttatt attcctcaga 780
atttgttac gtgggtttat gagtggaaact aataactactg ataacttaca tttgcagtgt 840
accaaaaagct aaaagttcct ttctcataag tttcttggaa tgactatgcc agttttcatt 900
gcctgtctcc taaaagtgac ctactgacaa attgatggag taaattgatt ccaagaaaga 960
agaaggcatt cagagactcc tctctggatg caatttaaa atatattgga ctaaaaacaaa 1020
agacacaaca gtcagcttat ctaatgcaca acttcaatcc caaatacaga atcaaaaagtt 1080
ttttcaagt ga 1092

<210> 100
<211> 1450
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1374)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1415)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1418)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1426)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1439)
<223> n equals a,t,g, or c

<400> 100
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atgaacgacc gaggccaggg agtcctctcc ttggccctct gcatcccccc atccttggct 120
ctggggtagg cccagggagg agacacccca aacccctatc cggctgtcc tggagaaaag 180

agactgcctt	tccatcccc	tgagtgggg	gcctgggg	caggctgc	gtttcccc	240
agggcaaggg	tctctctgtt	gaggaggagg	ggcctgtcag	ccacaacttc	tttccctctg	300
agcgccttcat	ctccctctct	gcaccctgca	atcccaccc	ctccgtattt	atccctgg	360
tcccggcagc	agtccctct	tgtctgtctc	cgggattca	gcctccctcc	ctgacatgga	420
gagtaacctg	tctggcctgg	tgcctgtgc	cgggctgg	cctgcgtgc	cacctgctgt	480
gaccctgggg	ctgacagctg	cctacaccac	cctgtatgcc	ctgctttct	tctccgtct	540
tgcccagctc	tggctgggtc	ttctgtatgg	gcacaagcgt	ctcagctatc	agacgggttt	600
cctggccctc	tgtctgtct	ggccgcctt	gcttaccacc	ctcttctct	tctacttccg	660
agataactccc	cgcgcacc	gcctggggcc	cttgccttc	tggcttctct	actgctgccc	720
cgtctgcctg	cagttctca	ccttgcacgt	tatgaaccc	tacttgc	agggtgggtt	780
caaggcacaag	gtgaagcg	ggccggagat	gagccgag	ttgctcgctg	tccgaggggc	840
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tcggcccg	gcacagccct	ggccctgtct	gcttgc	gtcctgg	gcaactcc	960
gttcgtc	atcgtc	ctcttgc	ctgcctctc	ctcgtcg	ggcggcg	1020
ctccactagc	atctacctgg	aggccaagg	gaccagt	tgccagg	ccgcgatgg	1080
tggcccatg	gtcctgtct	atgc	ggcctg	aacctg	cactgg	1140
ggccccccag	agccggctgg	acacc	ttacgact	tacaatgt	ctgacc	1200
ggacctgg	aatgacctgg	ggaacaaagg	ctac	tttgg	tcctttcg	1260
gtggagcta	ctgcccacca	ccctgtgt	ggc	gg	ggccccaca	1320
ggacctg	accagccaca	ttcctcaatg	ggcaagg	tttgsct	gggnctact	1380
tctttgacc	ggggcttgg	cacttgk	gaa	aratnrang	gcttgn	1440
aaccgggt	g	g	g	ttct	tggaaaccna	1450

<210> 101

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (636)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (641)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (733)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (743)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (764)

<223> n equals a,t,g, or c

<400> 101

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gccctgtgc	ttgtccgcgt	cctgtgtg	gactccctgt	tgtcatctg	cgcgtgtct	120
cttgcgtcct	gcctgtgcct	cgtgc	ccggcc	ccactagcat	ctac	180
gccaaagg	ccagtgtgt	ccaggcgg	gcatgg	gccc	atgg	240
gccagccgg	cctgtacaa	cctgacag	ctgg	cccc	cagag	300
acattcgatt	acgactgg	aatgtgt	gaccagg	ccgg	ctgg	360

aacaaaggct acctggatt tggcctcatc ctctcgtgt	420
ctgctggtgk gcttcttccg ggtgcacccg cccccacagg	480
acctgagcac cagccacatc	540
ctcaatggc aggtcttgc ctctcgtcc tacttcttg	600
accgggctgg gcaactgtgaa	660
gatgagggct gctctggga gcacagccgg ggtgagagca	720
ccagtatgtc gggcagtcta	764
ggctctggga gctggatgg tgccatcggg cgtganccgg	
nctggatgg gggcagccag	
acgaagacca ctccctgtc tctccagtgc agacagcgsa	
cacacagctt atcaccaaac	
ggtcctctcc aanaaccagc cancctacta gctggcagtg tgcn	

<210> 102
<211> 880
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (737)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (805)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (877)
<223> n equals a,t,g, or c

<400> 102	
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agaaaagtggt gaagtatggc	
atgggaggaa tgatcatgt cctgcgtcatc tgcattgtct	120
ggtttcctct tctcttcatg	
tctttatca aatctgtggc tgggtcata aaccagcccc	180
tggacgtctc cgtcacaatt	
accctggag ggtatcagcc tattttcaca atgagtgc	240
ccc aacaaagcca gttgaaaatt	
atggaccagc agagctttaa caaattata caagctttt	300
ctagggacac cgggtctatg	
caatttctgg aaaattatga aaaagaagac ataacagtag	360
cagaactgga agggaaactca	
aattcttgt ggaccatcag cccacccagt aagcagaaaa	420
tgatacacga actcctggac	
cccaatagta gcttctctgt tgttttca tggagtattc	480
agagaaaactt aagtctgggt	
gcaaaatcgg aatagcaac agataagctt tctttccctc	540
ttaaaaatata tactcgaaag	
aatatcgcta aatgatagc aggcaacagc acagaaaagg	600
caaaaacacc agtgaccata	
gaaaagattt atccatattta tggaaaagca octagtgatt	660
ctaactcaaa acctataaag	
caactttat ctgaaaataaa ttcatggrrta ttaccatcat	720
ttgkccarag mcatacacta	
aattaacagt gaggggggg tttaactga tggaccgat	780
tccatcgact ttgcctgga	
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aggatattct atgctggatg	
gaatgccat ttagggatta tctagtgaag tcagggnatt	880

<210> 103
<211> 1321
<212> DNA
<213> Homo sapiens

<400> 103	
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ccaccgtcac ctctttctt	
ggacttctag ttttcctcac ccctattgcc ttcatcctt	120
taccccgat cctgtggagg	
gatgagctgg agccttgtgg cacaattgt gaggggctct	180
ttatctccat ggcattcaaa	
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gcaagcggag agctgacatg	
ccacgggtgt ttgtgtttcg tgccctttt	300
ttggtcctca tctttcttctt tttgtttcc	
tattggctt ttacgggtt ccgcattttg gactctcg	360
accgaaatta ccaaggattt	
gtgcaatatg cagtctccct tggatgcc tccctttca	420
tccattacct ggccatcg	
ctgctggagc tcaggcagct gcaagccatg ttacgcgtgc	480
agggtgtccc gctccaccga	
tggcgagtcc cgcttctaca gcctgggaca cctgagtatc	540
cagcagcag cattgggtgt	

ccttagaaaaat tactacaaag atttcaccat ctataaccca aaccccttaa cagcctccaa	600
attcccgagca gccaaagcata tggccgggct gaaagtctac aatgttagatg gccccagtaa	660
caatgccact gggcagtccc gggccatgat tgctgcagct gctcgcgca gggactcaag	720
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<210> 104
<211> 1558
<212> DNA
<213> *Homo sapiens*

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<222> (1542)
<223> n equals a,t,g, or c
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<223> n equals a,t,g, or c
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cgtattctcc acactcacca caagtggctg ggtgtgactt gacacgggtg aaaaagtggag 180
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<211> 2079

<212> DNA
 <213> Homo sapiens

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 <222> (2017)
 <223> n equals a,t,g, or c

<220>
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 <222> (2020)
 <223> n equals a,t,g, or c

<220>
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 <222> (2027)
 <223> n equals a,t,g, or c

<400> 105

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gagtgcagg	gtgctttca	ctgttggat	gtcattgtt	ctgggtgtgt	tggagccagc	420
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<210> 106

<211> 3144

<212> DNA

<213> Homo sapiens

<220>

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<222> (3135)

<223> n equals a,t,q, or c

<220>

<221> SITE

<222> (3138)

<223> n equals a,t,q, or c

<400> 106

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 <211> 843
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (841)
 <223> n equals a,t,g, or c

<400> 107

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nng						843

<210> 108
 <211> 613
 <212> DNA
 <213> Homo sapiens

<400> 108

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aatcttagtt	tttatatagt	ccaactcatg	tactctgctt	ccgtcattaa	gaattcatag	180
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<210> 109
 <211> 945
 <212> DNA
 <213> Homo sapiens

<400> 109

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<210> 110

<211> 450

<212> DNA

<213> Homo sapiens

<400> 110

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<210> 111

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (731)

<223> n equals a,t,g, or c

<400> 111

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<210> 112

<211> 830

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (51)
<223> n equals a,t,g, or c

<400> 112

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<210> 113

<211> 646

<212> DNA

<213> Homo sapiens

<400> 113

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<210> 114

<211> 739

<212> DNA

<213> Homo sapiens

<220>

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<222> (19)

<223> n equals a,t,g, or c

<400> 114

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739

<210> 115

<211> 529

<212> DNA

<213> Homo sapiens

<400> 115

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<210> 116

<211> 751

<212> DNA

<213> Homo sapiens

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<220>

<221> SITE

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (691)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (717)

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<222> (726)

<223> n equals a,t,g, or c

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<211> 660	
<212> DNA	
<213> Homo sapiens	
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<210> 119

<211> 656

<212> DNA

<213> Homo sapiens

<400> 119

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<210> 120

<211> 1394

<212> DNA

<213> Homo sapiens

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<210> 121

<211> 1164

<212> DNA

<213> Homo sapiens

<400> 121

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<212> DNA

<213> Homo sapiens

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<211> 511
<212> DNA
<213> Homo sapiens
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<400> 123
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gcaagaccct ctgtgttaagt taagaatgct cactcagtgcc cagcagggtac tcagagggt 120
ccttttattt ctccagaaca ttctgcaggt gagctgggaa agcccactgg cccctggcctc 180
accccccggagc ccgagcccttc agcctgggaa tggctggcc tcttccttgc tggctctcca 240
gcctggcctc gcaggaccct gggcgggacc ccaggaaccc tcaccccgcta tggctttccc 300
caagaagcgc tccctgyggc ctaatttgag aaaacaatgg gcctcaatcc atattaatga 360
cccttagaggg accctttgtc ctcggtgac aggtgtaat cagcggkrct ccgggrgctc 420
tggcttaatt tggagggaca ggttttatca tcacccttga ttccgggtgac ccaatctgac 480
aggccccacga cccccctgtat gcggggtcca c 511
```

<210> 124
<211> 581
<212> DNA
<213> *Homo sapiens*

```
<220>
<221> SITE
<222> (496)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (580)
<223> n equals a,t,g, or c
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<400> 124

ccggacgcgt	ggggctact	aaaaatagaa	aaattagcca	ggcgtggtgg	caggcccc	60
taatgccagc	tactcaggag	gctgaggcag	gagaattgtt	tgtatccggg	aggcggagtt	120
tgcagtgagc	cgagatcggt	ccactgcact	ccagcctagg	caacaaacca	agactccatc	180
tcaaaaaata	aaaataaaaaa	aagcaggtga	tggatgaca	tggagtttt	gttttgcttt	240
gttttgcttt	gttttgcttt	ttgctgcttc	cctgataggg	tatatactgc	tcccttcagc	300
ctctcccgaa	aaccacaggc	gcccaaacaa	tgaggccagg	gttggaaaccc	ctggccagct	360
agatgatgag	ctgaagggga	ggcaaccc	tttggcagcaga	cttggagacat	ctcagtgtac	420
tcagggtctg	ctggctagca	ggcccagtgg	gttctccaaa	gcccttctgt	atccttaatg	480
gtccttaaac	cctggntgaa	gatccccca	gttggatgat	cttaagccag	aaggctgggc	540
aatctctata	tccttctcc	atcgatcatc	ctatgattgn	t		581

<210> 125
 <211> 1166
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1163)
 <223> n equals a,t,g, or c

<400> 125

aatcaccagt	tccgtgtcca	ctatccgaca	gtatccagtt	tcagctcagg	ctccaaactc	60
tgccatcaca	gctcagactg	gtgtggggt	agcgtctacc	gtccacctaa	accccatgca	120
gttcatgaca	gtggatgcat	cgcattctcg	acatattcaa	ggatccagc	cagcacccat	180
cagttacccag	gttcatccagc	cggccccc	atgggatccca	gggatacagc	ctgcaccact	240
tggcacacag	gaaattcamt	cagcaacccc	aatcaacaca	caaggccttc	agctgcac	300
atgggtactc	agcagctcg	cctgaaggaa	agacttcagc	agtgggttg	gcagatggag	360
ccacaattgt	gcccaaccc	attagcaatc	cattcagtg	tgctccagca	gaacaactgt	420
gttgcagacc	cacagccaga	gtgctagcac	caacgctccc	gcccaaggst	catgccc	480
gscaagcata	mtccggaa	aacctgccc	agatggaa	gcagttcgga	aaaccctcat	540
tcctcctcag	cctcctgtat	ttgcttagtcc	tcgagtgaa	agcttatgc	ggagtacgtc	600
tgggtcacct	aggcctgcag	gtgccaaacc	caagtctgaa	atccacgtgt	ctatggccac	660
tccggtca	gtgtccatgg	agactgtatc	caatcaaaat	aatgatcagc	ctaccattgc	720
cgtccctcca	actgccc	agcccc	gaccattcca	actatgattg	cagcagccag	780
tccccctca	caaccagccg	ttgcctt	aaccattct	ggagcggtcc	ccatcactcc	840
acccatcacc	accattgcag	ctgcaccacc	tccatcagtc	actgtgggt	gcagtcttc	900
ctccgtctt	ggccctcc	ttcctgaaat	taaagtggaa	gaagaagtag	aaccaatgg	960
tatcatgagg	ccagttctg	cagtcc	actggctacc	aacactgtgt	ctccatct	1020
tgcattgctg	gcaaacaact	tgtccatg	tacaagtgc	ctaccac	gtgcctccc	1080
aaggaaaaaag	cctcgaa	aacagcatgt	gatctcaaca	gaagaagg	acatgatgg	1140
gacaaac	actgattaat	gaaaa				1166

<210> 126
 <211> 692
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (12)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (32)
<223> n equals a,t,g, or c

<400> 126

nttgcncngg tncctgttt aatcaacttga tnataaactt ctggaaaaag atcattattt	60
tcactctgaa atttccatac agcaagtatt caataagtgt ttggcagatg gatgaatggg	120
cagatattat aggttcttac catgttgatt atgaagaagt acaaagtatt cagaataaaa	180
acactaagca cagaataaaa ccaagggtgt gccagtaaat ttaccagta aattataact	240
ttcaaaaact gacggttctt aaataaactt taatctctgc actattccg ggaatwtcac	300
acatggttat tacagttgat tatttcaggg aggcaagttcc tctgctaata atagttgtga	360
actggctgga cagaggcctg gaagacacca gactttctct tctgaattaa ctccacagtg	420
ttttgttgtt gctcttggcc tgaccrawrt tactcttmta gcctagagta gtggttctca	480
gctctgactg agcatccaaa tccccatgg agattttca aggataatt atctaaatcc	540
cactgcccag attatgattc tgtcggctga gttagggct atgtgctcac atgttctaaa	600
aactctagag acatttctga tgcatagcca gttcaagaa taactatttc aaaagtcacc	660
cacaggttaa aaaaaaaaaaaa aaaaaaactc ga	692

<210> 127

<211> 675
<212> DNA
<213> Homo sapiens

<400> 127

atttctgacc tcgtggggcg tgggtctcc ggatggctgg gagatgcagt cccagggcc	60
gtgacacgac tcctgtatgt ctggaccacc ttgactgggg tgcacttagc cctgttccct	120
gtagctcagg ctccccacagc cctgggtggct ctggctgtgg cctacggctt cacatcaggg	180
gctctggccc cactggccctt ctccgttctg cctgaactaa tagggactag aaggatttac	240
tgtggcctgg gactgttgcg gatgatagag agcatcgggg ggctgctggg gcctcctctc	300
tcaggctacc tccggatgtt gacaggcaac tacacggctt cttttgtggt ggctggggcc	360
ttccttctt cagggatggg catttcctc accctgcccc acttcttctg cttctcaact	420
actacctccg gccccagga ccttgttaaca gaagcactag atactaaagt tcccctaccc	480
aaggaggggc tggaaagagga ctgaactcca cagagtccgg cccagaaagc caaagcttga	540
cagctccagg tttctcttg ccacgtcttg gtctccacag aaccacagtg ctttaagatt	600
cttgcattgc ctcccccttag agcaggcctg gggctctgc aatgtgtgtg ccaacccttt	660
gtatgggtt gagga	675

<210> 128

<211> 3669
<212> DNA
<213> Homo sapiens

<220>

<221> SITE
<222> (199)
<223> n equals a,t,g, or c

<220>

<221> SITE
<222> (2797)
<223> n equals a,t,g, or c

<400> 128

tcaaaaaatag tgatagctt gataatcagc tccttagacct agactatccg tctaagaggg	60
aagctacagg gcaaggctag gtcaccctga tctcctagca gcttatcaaa agaatttatat	120
ggcaagttg gcaaggccc tgctgtgaac gaaatcatgtt gtcattctca agatgaagat	180

<210> 129
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (571)
<223> n equals a,t,g, or c

<400> 129

gatccctcta	ccttggcctc	ccagaatgct	gggattacag	gtaatgagcc	actgcacccg	60
gctttagca	ttttttaaaa	agttccttca	tacaggccca	ccactcccag	cctcctttat	120
cctttgacc	acaagattct	ctaggcacat	tttatataatt	tccggcccca	gtcctagaat	180
cagccacttc	tccaaggaggc	cctgattctt	tttatttagag	aatggattta	gaaaccaagt	240
tctaggcatt	gggtgtgctt	gctactggga	tgttgtggct	tgttagacct	ttcagctgac	300
tgagcaaggg	atgtacatgt	atgtatacta	aactaagttt	ttctgtatgc	agtcatctgt	360
atctatatta	agctaaacat	gagttgatgt	ttccaattct	atccattacc	actctatcca	420
ttctagcctt	tttccttgg	ttatctgtca	cctctactt	ctacagacag	aaaactggct	480
ttcatcattc	accatcttt	tacttaattt	ttcaaatctg	ggatacatat	gcagatata	540
tggcttcaga	atacgatttc	ccatggagaa	naaccttattc	aagtagagaa	cagtgcattaa	600
gtgttagttcc	tgttgcctt	agtcttatag	acttcatttc	caaagttct	tagcacccccc	660
cttcccc						667

<210> 130
<211> 561
<212> DNA
<213> Homo sapiens

<400> 130

ggggcttgtta	aatgtgtgtg	agtttctgag	tgttagtgcc	gaataaatgt	ttattgatga	60
tgcctaccta	tgcaatctgc	atggtcttg	tatttctatt	gcttgtgcat	ttgcacatca	120
taaacacaaa	cacacacaca	cacacacaca	cacacacaca	cacaggctt	cttccagagc	180
catacatgt	ctatttcag	tttctgagtg	tcctaagagg	ttatatcctg	tctagatgga	240
cggaccgaga	gtacacttgg	atttctacca	agatatattt	tcctaattca	ccagaacccc	300
ccgcttcctg	cccatcccc	acacagagca	tctcacgcca	tgcagtgcag	ggaagcacat	360
tcctcaaagc	ttagctgccc	acctctgagc	aggtgcaa	ccacccactg	catcctccca	420
tccaccttcc	ccccctctga	tttctgctct	cctcctaaat	ggtctttttt	ccccctgcct	480
cctccctcctt	cgtttccctt	ctccagagag	gcagaggta	ggtgcgttg	accagsattc	540
accaagtgc	gacatcaaaa	c				561

<210> 131
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (693)
<223> n equals a,t,g, or c

<400> 131

ggcggagctt	gcagtgagcc	tagatagagc	cactgcactc	cagcctggc	cacagaggg	60
gactctgtct	aaaaaaaaaa	aaaaaaaaaa	agaaaaaagag	aaatctatga	catcaacttgc	120
caggctccca	tgttcttacc	tctgcctgcc	ttgcccagctc	tcctccctgct	gtgccttctc	180
tcagccccatc	tctgcacttc	ttcccagtcc	ttcaacacct	gtgcttctct	ctgccccccag	240
gccttccagc	cagggggtcc	caggcaccag	aagtgaattc	ccctcaaccc	ccttctgtct	300
gccctcccttcc	ccacgtgaat	ccttcttga	ttcctttcat	ctggtcagct	cccattagta	360
tgctctcttt	gcagcctgcc	ctttctcttt	tcaagtgcgtg	atcacaactg	tattaggcaa	420
tcacctgtct	aatgtctgcc	ttcttaatta	gaacttcaa	ttcacgtggg	cataacatcg	480

gtctgcctta ttccttgtgg tatcctggat gtcgaacata acacytggca cctggggc	540
aatgattaaa tatttggaa aagaatgggc aaaataaaag agtaaaaaaa aatgagtgca	600
agatacagtg aagtgtatgc gcaatattgc taactttaa aaawttgtca aagagatact	660
gagttcgagg aagaggaaga tagaaattat gcntggaatg ct	702

<210> 132
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (422)
<223> n equals a,t,g, or c

<400> 132

gctcgtgccc ctttttcct gccatcggtc agaaaaaaca tgcgaagat ggatggcatt	60
agattatgca ggaatttcta ttggaaactt gggctgctat gtctcaggag tattttacgc	120
attttattgt aataactact ggcgtcagggt gtacttgatc acagtgcctt ctatgatcct	180
ggcagtgttc ttgcgcaga ttcatccaa ttacctcacg cagcaatggc aaaggctccg	240
ttctatcatc ttttgttctg tttcggata tggagtgatt cctactcttc actgggtttgc	300
gctcaatgga ggaattgggtg ctcctattgt acaggactt gcaccccgta taattgtgat	360
gtatatgatt gctttcttg ctttcattt ctacatttcc aaagtcccag agcggnactt	420
tncagaatca cttccacggt gaatcatasa agggattgta ccactcgtca cgtgggtggg	480
aaa	483

<210> 133
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (65)
<223> n equals a,t,g, or c

<400> 133	
attttngggg aaccnagatt cttagggaca atgcccnnacc tggaaatttgg aagcccaccc	60
cnatncttcc aggcaggccc agaattaccg gaaaacaatt ctggacaact aactacctcg	120
gattcaagcc caccaaatat ggcataatcct tgcaatgtg atgttatatt ggtggcatca	180
gtcaacagtg tatgtcatgc agtacagaca tagcaagcct tgcctgact atgtttcaca	240
tttgcatttgaattt agaatcagga acgaagattc agggaaatgtc tgcacatct tatggcatcc	300
cacctggaca gaatatccga tttgaagattt gtgattgact tccgtaaaac tgtacaactc	360
tccatttggc agctgctaca taatagggtgc ttaatgtttg tgggtgtgaat gaaataactg	420
aatttgaata gaagtttaca tccaaaagtc ataataagac aaataatgaa aaactccaaa	480
gtcactgatt ataaaagaata tgcaatccat ttgggattt ttgcattta agaaaacaga	540
ttaaaacagt gcttacgtga agtacaaaaa cctaaaataaa accaaggcaga gtagctgact	600
tgtaagaaaaa ctgctctgcc ttggtaactt cagcatagaa gagtgggctc caccttagat	660
tttccaccag caagaggaca acagtctatc actcttaaac aataaacagg gtaagactga	720
aaaaaaaaaaa aaaaaaaaaaa aaactcga	748
<210> 134	
<211> 652	
<212> DNA	
<213> Homo sapiens	
<400> 134	
gccccgcaccc ggggctctcc gctcggttagc gcgcccaggg cgcctccctg gcccggagg	60
gaccgcggcccg cggggccctgg ctggctcagg gctacccctt tccgcctagg acccccccct	120
cggtgactcc cgatccctg tccttaggtg cggtgccccgg ggaggccgggt cgccagagta	180
gcagacagag ctcttaatg ggtgtttctt agggccgggtg ctgtttgtgc atcattttggg	240
ttccccacaca ctccctatga ggtggcgaaa gccattatgc ctatgtgtc tgctcacaca	300
ggggggaaact gaggcccagg caggacagcc cttgcctgg ggtggggct gggttgtct	360
taggcctgtg acttsacctm tacagcaccc tcctgtggac cctctccctg ccmccgcccag	420
gccagagtcc tgagccagg cccagaccyt ggcctgtccg tccggggatg ctggacagta	480
ctcctccctc cagccctcat aagtcatkgt cattcgatgatc tgcattttccc cagccctct	540
cctcttaast ggggggact gtggccact gtgcccctt ctcttccat tccttcccccc	600
tacaccctt ccagacatcc cagagttaac aaaacccaaa aaaaaaaaaaa aa	652
<210> 135	
<211> 3006	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> SITE	
<222> (2700)	
<223> n equals a,t,g, or c	
<220>	
<221> SITE	
<222> (2711)	
<223> n equals a,t,g, or c	
<220>	
<221> SITE	
<222> (2808)	
<223> n equals a,t,g, or c	
<400> 135	
tttttttttt tttttttttt tttttttttt tttttttttt tcaaggcagaa aacaagctgc ttttattaca	60
gtatgtatgtc atgactcatt tgtaacagat ccagcctcag ggacagccct gtaaggcagc	120
aagtggggct ggctccaaat gggatgtgat ctcagaatct ttggtaaggc agaactgaac	180
tgggctgtgaga ggtggcttta aggcctggc aggctctatt ctctctggac tggctgcagc	240
ctgcagtctt gggaggccc agtacagcctt ggagctcctg agcctgtca acaggcagtg	300

agcccagagc	tgcttcaaag	ctgtcggtgt	gctgtttggc	caggaacgac	aggagcagca	360
acagtgcggc	cttgggtgtct	ggtgggatct	tggtgtcagc	cagaatgagg	ctgcagatac	420
gcagaagctc	gggagccaca	tctataacct	ggtcagggt	gctctggta	aggaagctga	480
agaggcgccc	aatggtgacc	cactcctcca	agtccctt	cagtggcagg	gcatgcagta	540
gggcagccag	cacctggggc	tctggttcc	tggtggact	ggccatcaac	aggcgggcaa	600
gtgccccaca	gatgttgtca	cgacacgat	catgtcgctc	ccgcgccagg	agggaaaaaa	660
ggagccccag	cagctgggg	aagtgttcc	gggcagggt	gccccatgc	tctgccagca	720
cgcccatccc	gaagatggca	ttgcttcgca	cctcggggtc	tgcctcttgg	gccccatgc	780
acagcacagg	gagcagccga	gacacaaact	gggctgagge	agcacccagg	ccctgaatag	840
tctctgccaa	ggtccccact	gcaaaggact	tctctgccac	tgtcagcccc	tgtttgtct	900
tgcacaccaa	taatggcagg	aaacggcaa	agaatggggc	aaaggagtc	cccccagccg	960
cggctgccc	ggcagggtat	gcctctccag	cgtgctccag	caacatggcg	tcgtattcag	1020
cctgatcatc	atcttcctt	tcctcctt	cgtcagttatc	ctgacaggct	gtcttcctt	1080
gcagcacagc	cttgagcacg	ccacagagct	cagcggcgg	cccagggggc	ttcagtgtga	1140
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gttcccgtc	cctgttca	gcctgcattgt	aggatggcac	gactcgggccc	agggcagcct	1260
gcaaagcgc	agtgttgggt	tccgaggggc	agcttgcaca	ggccttgc	agtgcacagc	1320
aaaactgacc	cagacccctca	tgggtgcct	tccgcacatt	caggtgaggg	caactccagca	1380
gtttaaatac	ttcttcaaag	acactttcca	tgtatggaa	gaaggccaca	ctgggttca	1440
cagagatctc	ccccacggca	gcacagggt	cttccttctc	atcgaagaag	gcattctcca	1500
cgctgtaccc	ttagatcty	gagtcatttct	cttcttccac	atcctcatcc	atgagctcct	1560
cctcttctt	cccatca	tcatgtcaa	acagaaggaa	ggagctgctc	ccgtcatact	1620
gaggcacaat	gccctcggt	gaacgcagt	acagcagcat	gagcgtgg	atctgttca	1680
agtggggcgc	caggccctca	ccatcagac	ccgataaggc	tgcaaatagg	ctgtacgtgc	1740
agcggcgca	gtcagcgtcg	tctacctggt	cgcagaggcc	cagacccagc	tggcagcatt	1800
cctcagccag	cgccctcatg	ggctccccc	ctgctcgtc	cagcaccccc	agtgtctcca	1860
ggctctggat	ctgcacaggc	tgaaggctt	cacggcctgt	taacaggaat	tcccgcaggt	1920
gctccatgtat	ggcagggaa	tagggcagca	gcgagrcctg	ggcagccgt	gcaatggctc	1980
ccagggcgct	cacagccagc	tccttggccc	ggggactgt	ggggttctc	agaagctgca	2040
gcatgcattc	cataagctt	ggaaggtagg	gctgcacett	gggcctttag	ttctccacaa	2100
aattctccag	ggcatagcag	gccttggct	ggtgtgtgt	gtgttcaaga	ggcacccact	2160
tcaagtaggc	gaggagcagt	ggcatttac	cccttgaata	gctgcgtata	tggggctgt	2220
ggttttctga	gaactggccc	aggccaaaca	gcgcagcatt	gcgtacaact	tgcgaggggt	2280
cctccaggcc	tttgcacaca	atctgcagca	gtggggcag	cagttcttgc	ctgatgtgg	2340
cgcagctcc	gtcagacagc	acggccagca	ccaggagtc	gctttgcgt	ggtatggct	2400
cctctccgca	aaggctctt	caacatgggc	atcagctgg	gacagagctt	ctcggggggc	2460
aggtgttagt	ccagcatgtc	cacaactt	acagcgaat	gcttggag	ctccccatc	2520
agctcaatct	ccaaacttctt	ctcttctgaa	tcctggtc	cggtatccaa	ctggccttgg	2580
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ttcagtaagg	ccttgcctt	gacttacca	agaaaagttag	gcagcagaga	ataccgtatn	2700
gtatcgcatt	ccaggccac	atttctagct	acctccaggc	agaatgttag	gacttcagag	2760
aggttaggggt	gtgaccggc	acctctgact	ccaacagttc	atccaaanc	caaggctcac	2820
agccttgcc	tcatctatgg	gtcagacatc	tgcatggca	tgatcgtt	gggcaccaac	2880
atccgagcga	gaggcacatc	ttcagtgctg	agtagggag	ccatgtgg	cagagtgcgc	2940
agggagtata	agagcagccc	aggagagccc	acctcacc	gagtctcatt	cagaagccgc	3000
ctgtgc						3006

<210> 136

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<400> 136

aagcctgggc	ttttgacctg	tccttggagg	cggtgcggcg	gactttatc	ctctccttgg	60
gttccgtggc	gttctggag	ctgctgacag	cgcctcttga	gcaggtggca	gatgacagcc	120

tttatgagtt	cctggattt	gtggatgccca	ctgaccgata	cagaagcctg	tgggtctgga	180
ggttgtctggg	catgtcggca	ggcgtgtgt	gcatcacagc	cttggtgggg	cagctggact	240
gcttcctgat	gaccagtggc	ccccgaggtg	tggtccactt	ctatgggtac	tcgggtggtca	300
gcaccctggc	cttactggtg	agcattgcct	ttcccatc	catctgtcag	cagtgggagc	360
ccagctacaa	aagggtcaaa	gcactgtcca	ttgtgggggg	tgaccccccac	ctcattctcc	420
tcgcctccac	cactgtttt	gtaggagcca	tcgtcagttac	tgtccagaac	tttctgttct	480
ggcacatgaa	gacccatggg	agcggcgagc	tggtcatggg	tttctcggtc	gccctcagct	540
tgctggggga	aattctgctt	catccgttca	aagctacatt	gcttaggaaa	ctgtccagga	600
cgggcctsgt	ggggctgggg	ctgagctgcc	tcgctgggca	gctgctgtac	tactctngcc	660
tgtgagctgg	tggtccgtct	ccccattaag	atctgagtgc	cattagcaac	agagctttt	720

<210> 137

<211> 463

<212> DNA

<213> Homo sapiens

<400> 137

agggacgtgc	tggatgtgc	tggccaagcc	ttgctggtct	gccaccttgc	cctcgccct	60
gaaggcgtcc	agtagccagc	gagggccagc	atggcctccc	ccgccccagc	atgcctgggg	120
tctctgttt	catggactgt	ttgtgggtgg	ggtgagggtgg	tcagtggtcc	tccttgtgct	180
gtgtctgcct	ggggctgctc	gtgggcaacg	tgggtcactc	cctctgtcgt	ggtgcagctg	240
gcaccatcag	gtgctgttca	aaccctctg	agccccgagc	tgcttgkgt	ctcatttcaa	300
ctccatgcag	cccctctagg	gcagtttat	ttcccccattt	tacagatggg	aaaagagaaa	360
ctcagattgc	gtaacatgcc	caaggaagca	ccggycggcag	wgtttgyttt	gtttgwtttg	420
stttttaggaa	gsagmctctg	tcacccaggc	tggagwgctg	gag		463

<210> 138

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (656)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (678)

<223> n equals a,t,g, or c

<400> 138

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tcttctcgga	gcaccccca	taccgtgtt	cctaaccctt	ccaagtagcc	tgcatcctgt	120
gcccagccta	gttgcaccc	tttgcctca	gatantgact	tttggggcac	tgtacatcac	180

tctcattcg	catctttac	ctgggtgtgg	tagtgagaga	tagtcgtctt	ctctcttctc	240
tcctcttgc	ttctgagcca	aggtacgcag	tttctgggtc	acatctccaa	ccagtctcct	300
aaagtgtgtt	gaccaaagg	gttgctgagt	ttgaacacat	tgcatattta	aattgcaata	360
ggacatgtgg	gtgagcaagt	tagttat	ttctctatgg	gacagctttg	ccattctcct	420
tcttgc	ccagtggggc	attctgc	ttgttaagca	gtgttctggg	aattatagtt	480
ctgaattcca	ctgacacaat	ctc	caccctccgc	tctc	cttgc	540
tggggctaca	ctaccacaaa	ggcacatctc	tccttagggc	tggwgggctt	tgctggsaag	600
gagaacatga	aagaattgya	tgyasagagy	tccagaagct	tctagacatt	tcctgn	660
ttgn	ttgcgg	ttgtt	nct	tgaggcaca	tattgttca	699

<210> 139

<211> 950

<212> DNA

<213> Homo sapiens

<400> 139

ggcctctgc	cgcgctgc	gctcgagcc	gcttgctcg	ctgcctctgg	ctgggctccg	60
cgatc	c	cccaccc	ggcactg	ccgc	cccggcggc	120
gtgc	ccccc	ccccggc	gag	c	tgcccc	180
cgataataaa	tgatagagga	tacaat	act	ttgctgt	tcg	240
tacttcttgc	tgagaccc	gacg	ctt	tcg	tcg	300
tacttcttcc	acacc	gacg	ggt	taa	gag	360
atgg	gtg	aaagg	gtaa	atcg	tg	420
ctcgaggcc	agttt	ccaa	gac	tcg	ttt	480
atccagg	gg	gag	ttt	tc	ccaa	540
aagacgc	cacc	catgg	ttc	tc	cc	600
tatgt	aaaat	ctcgact	ccc	aaac	act	660
aaagaaa	ata	ttt	ttt	ttt	ttt	720
cgagaaat	gtgt	ttt	ttt	ttt	ttt	780
gctctgctat	ca	gataaa	act	ttt	ttt	840
tgt	gaca	aa	gtt	ttt	ttt	900
gaa	aa	aa	ttt	ttt	ttt	950

<210> 140

<211> 2952

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2938)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2952)

<223> n equals a,t,g, or c

<400> 140

ccnggagtca	tnatgggtg	ggtaccccag	agtggAACCA	agcttggc	aggggtgccc	60
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cagtgaaccc	acccctttcc	tgccctgcag	cgtaamcatt	ccccagcctc	ctacaggcag	180
aaaaacacact	ccaagctgnc	agctggccca	ggcccccggcc	accaagctgt	tttctytaagm	240
cagcyttccg	agcaggctat	ttttggccct	cgtgacagt	attgatagct	gctgggraagg	300
tataaaagca	gcttgcctgc	gaaggttctt	cacactgctc	aggaaagagc	ytgctacgg	360
ggactgtgag	actcagtgca	ctgtccctct	cccagcgcacc	ccacgcgtgg	ccccctggcg	420
gaccctccac	ccttcggccc	ccaagcttcc	caggggcttc	ctttggactg	gactgtccct	480
gctcatccat	tctcctgcac	cccccagacc	tcctcagctc	caggttaagag	agagcagctg	540
cccttgggtt	tgagacaaaa	cacaaggcgt	ttgttattt	ttgagggca	ttcccagcct	600
gaacttgcac	agcctcccta	tgggttagag	accagggt	tctgttagagg	gctttgcatt	660
tataaaggga	ttcaggggtt	atttcatgca	tttcctacaa	catcctggcc	aggggtattt	720
ataaccctgt	tttatggatg	ggttaagtgg	ggcctggaga	ggtggcctt	ccaaagggtcc	780
catggtcagt	gcgtggccga	tcctggttt	aaaccacggcc	ttccctctgac	cagtgttgt	840
tagtttaggt	tctttatct	gtgcacattc	tgaaacatg	atgataaaat	cttaagcctt	900
tgggttttt	aacctgaaca	ggaagaaaag	atcccagcag	tcggagctct	ggtctggct	960
ctgttagact	caaattgctc	tcagggcacc	ggattcctac	aggcagcccc	agaggagtgt	1020
ggtgaacgctg	aggggcgggt	ggacgcattgg	caggccctca	ccaccaggct	tctgtttccc	1080
aacagggtgc	cacccctct	cgcacagatg	atgaggtccc	ggcttctgtct	ctccgtgcc	1140
catctgccc	caattcggga	gaccacggag	gagatgctgc	ttgggggtcc	tggacagag	1200
cccccaccc	ctcctagct	ggatgactac	gtgaggtcta	tatctcgact	ggcacagccc	1260
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caggcctgcc	ggaagggccg	ccctgctgt	tccctgcgag	acatcaccgc	acgtttca	1380
ggccacgc	ccacactgcc	catgctgtat	actgtggacc	ccctggactg	gstttttggg	1440
gagtcccagg	aaaagcagcc	aagccagagg	gacctgccaa	ggaggactgg	ccccctctgt	1500
ggcctctggg	gtccacatag	acagatggac	agcagcaagc	ccatgggggc	ccccagaggg	1560
aggctctgt	aagccagat	gcctggcat	tccctggcaa	gaccaccgc	ggatggcag	1620
cagagctctg	acctaagaag	ctggactttt	gggcagtc	cccaagccat	ggcctcccg	1680
caccgc	gccccagcag	tgtcctcaga	acactctact	cgcacacccc	ggtgatccat	1740
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gcagaggccc	ctgcttggc	agttcacatg	gagaccgacc	ccctctgaat	atgataacag	1920
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ccttgagcaa	cttacttaac	atctgtttc	ctcagtttct	catggtaat	ataggataa	2040
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tgagtagcta	ccatcatcgc	tggggggaa	actgggtgta	gggggtgt	ggttagtggg	2160
gtgtcagccc	cccaggtgtt	tcagaacaag	gcctcgggca	ctcccaagtc	tgccctctgg	2220
ctcccaccc	caaagccat	gttctgt	gcccacagaga	acacatggag	tcttagcaaa	2280
tgcactaatg	tattccgggg	gactgtcacc	tggcaccact	ggggcactct	gctggctaca	2340
actcatacgt	cctgtgggt	cattggaga	gttcccccatt	gatgagggcc	aagatagaat	2400
ctgttaccact	cagtgttacc	atccccaccc	ctacaccact	tccacacagg	ggcctcatgg	2460
catggtcagg	gtcccagctg	tgggtgagag	cagggcactg	tccagctgtc	cactggggaa	2520
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acctgggcag	gtctctgcac	cctcctgt	ctgtgagctg	tcagtctagg	ttattctt	2760
tttttggc	tattttat	tgcttggat	ttgttaat	ttttctgtct	tctgttaat	2820
gtgtttctc	tggagataga	atgtaaacca	tattaaaagg	aaaaagttc	agacaagcaa	2880
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaancc	2940
ccgggggggg	gn					2952

<210> 141

<211> 776

<212> DNA

<213> Homo sapiens

<220>
<221> SITE
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (755)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (761)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (768)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (775)
<223> n equals a,t,g, or c

<400> 141

gcagagactt	tggatgagtt	tttagcttct	ggtaggcagt	tagagtaaga	agcataatgc	60
ctaaatcaac	cagggtttgg	gttttctcaa	ggctgtgttt	cagtctttat	ctaagttctg	120
gtgtgtttta	gtccttatga	ggcctgggtgt	agtccctttag	cagtc当地ac	aaaaaccaat	180
gccattcctc	cacttttaat	ctcccttagta	ccacaaaact	gcttagaaga	ctgtttaagt	240
tcttcagcct	cttagctgcc	acttttgct	tgatttctct	cagactgtgt	cacttagaaa	300
tcatcaaata	tctcaagaaa	gaaagtacct	cagattattg	gggtttgttt	tctgcctgtc	360
ccttctctgt	aagatattag	cccttcaatt	accagctctc	ttagtagcaa	tgaagtctaa	420
gttttgcttt	gctagccccca	tgagactgcc	aaaagcttta	cttgcattct	ctgcctgtt	480
gcagctgctt	tctgcttggc	ttcttcacct	ttctcccccac	actgcttaca	aatcagaaaa	540
agtctcaaga	ataaaagcaa	aataaatggt	tgggctcacc	ttactgagtt	tctctccctct	600
cataaatctt	gractcttca	gtcctggctg	ntttggtagc	tttccaatgg	cattyacatgg	660
acacttccca	accccccggccc	cacgatctgg	cytttcttgg	aagtctcaac	taagcctggg	720
tctggctata	agctgggtaa	caatctctgg	gaaangggcc	nattttcngg	ataana	776

<210> 142
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (14)
<223> n equals a,t,g, or c

<400> 142

ctnctatagg	gaangctgt	acgcctgcag	gtaccgggcc	ggaattcccg	ggcttcttcc	60
ttgtgttgct	gttttctcct	tcccagctct	aaactcccat	ggtgctggag	cagccagaga	120
agaagtgtta	ctagacctgc	cactgctacc	tacagtgagc	cccattctgc	acacagaggc	180
tgcggactcc	tttttcccaa	tcatagacca	gaatgctgt	gaaaagaagat	gtggctgttc	240

tgcagggttgg agctcttagga tcggaagaac tcatctgtat cacatatgtat ccagctgaaa	300
gtccctacaa actggggccct ctgtgtcttt agaaggcagct tccaaaggca ggaagacttc	360
cagagtgcag gactgagcgt gctgctaatt ttgttctggc cgagagactg atgagagaga	420
caagaattat ggcgcgagaa aagcagcagc agcagcagca agtctgcaga ggggaatgcc	480
aaactcgcta ctgggtgttt tttttgttt tgttttgttt tgktttggc	540
gatacagagt ttcaactctgt cacccaggct ggagtagagt ggtgccatct cagctcat	600
caacctctgc cccctgggtt caagcaattc tcctgcctca gccttgcgag tagctggat	660
tataggcatg tgccaccatg cctggctaat tttgtattt tt	702

<210> 143
<211> 798
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

<400> 143	
gncaaaaagc aagwtggagt caattatgkc caatttayct wactgtcawa atttttcaaa	60
ggcagttca aggttactat tctcatgatt caacacatcc tcaaggagtg agattcagtc	120
tgttaagtg tatcatgact ttctataaca cgcctgtca tgcactcttc taccctgcata	180
gaattggagt ctggcctcag ctggttccta ccagcagttac tgccatcacc tcattcctcat	240
ctgcccattc tgttgttts gaaccacttg tgcctctga aatgcataatg ttgaagtct	300
aaccacctgt gcctcagaat gggactatgt ttggagaaag gttttaaag aggtactaa	360
agwttaatga gatcattact gtgaaccctg atccaaatgg acttatgccc ttataagaaa	420
aggaatttg gccacttaca ctcacagagg aagaaatcat ttgaagacac agagagaaga	480
ggcccgagga gagaggtctc agagaaacca acccaatgac atttcgtctt ggattccag	540
cccccagaat tactggaaaa tacattttc ttgttttaggc cacccaatct gtactacttt	600
gttatggcaa ccctagcaaa ctaatgcagt caccaaccca gggtaaaaat gggacattcc	660
caactctagc tcttaggcca agcttatttgc taatagattc ttgtttcaa aggatataaga	720
tattgagatt ctcaatgtat ttgttaaaat acattgttc ttgttaaaag caaaaaaaaaa	780
aaaaaaaaagg gcggccgc	798

<210> 144
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (537)
<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (549)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (564)
 <223> n equals a,t,g, or c

<400> 144

ggcacgagct	cgactcactg	caacctccgc	ctcctgggtt	caagtgattc	tcctgcctca	60
gcctcccgag	tagctgggt	tacaggcatg	tgccaccacg	cccagctaat	ttttgtactt	120
ttagtagaga	cggggtttt	ccatgttgc	caggctggc	tcgaactcct	gacctcacat	180
gatctgcgc	cctaggcc	ccaaagtgtt	gggattacag	gtgtgagcca	tcgcacccgg	240
ccaggcttac	ctctttgtac	ctatttgtt	gaagctgaac	tgaggcctgg	ggtgcttgca	300
ctgtcttggg	gccctgaaaa	gtccaaaggca	cagcagtgc	taaatagcaa	ctaaataaat	360
gatgataaat	atctaataca	agttcgatga	tagatataca	attatattaa	taaatatcaa	420
ataacatcsa	ttgttaataat	cnaataaaaa	ttagattctt	ttaattttt	taaagacaca	480
gtgnccagtt	ctgttgc	ggctggagtm	cagtggcacg	atcatagctt	actgnanctt	540
gaactcccna	gcttaagcc	tctnca				566

<210> 145
 <211> 1939
 <212> DNA
 <213> Homo sapiens

<400> 145

gcccagcccc	tgctccctgc	cttgcccag	cacccacg	gagtgttggg	ccaaccaata	60
gccctgagcc	aatttaacag	tccctggct	ggtttggagg	ggacagtct	ttattgttt	120
tttccaaaac	cgggcagagg	ggtggcagct	cttgcctg	gggtccctgc	cagtccgtgg	180
accaggcc	gagactggcc	atctggctc	gtgcccgtt	cgtcctcaca	ttacccgtc	240
ctctgcccac	ccaccccaa	gatgccactt	gggtgtctgg	ggtcttgggg	tgcccccaga	300
agtcttatac	ctgcccac	cccctacccc	aggccgttca	ccaactaagc	cagctgcac	360
ygtgtactcg	gtccgggacc	cttgcgaca	gaagacagcc	tccgagagcg	cgggctccaa	420
gggcaataaa	gcagctccac	tctctact	tggttcttt	tgttcttgc	tctccagtc	480
tgtggcgggg	gccagtgc	ccccctct	gggcgtggc	tgttccctga	ccctgcaggg	540
agccctgtgg	ccagcgctgt	gggtggaaa	ggcgactgt	cctgcctggg	ctgcagctgg	600
gcctgacctg	gctgcaagca	cagggttgc	tttttgggg	aaggatgt	tcggggctcg	660
ggccctgccc	tcagggttct	ccagaacac	ctagggtgag	gaggcagctt	ccgcttaggcc	720
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gacacagaag	gccaggggca	tgaggcccc	catcacctgg	tagcccacgt	agggcccccag	960
ctccaggc	gtctgtggc	gggctatgtc	tgcaaagctc	gggcagcggg	tgctccagcg	1020
ccgcccagca	tccacgttga	gcacccgc	gatgtggtag	ggcacatagg	agctggcgta	1080
gagggccaca	ccactggca	ccaa	ccgtgc	cacacgc	ttctcgccca	1140
tgggctgcgt	agcacggccc	gcccagg	gccgtagg	gccagcgt	gcagcagcgg	1200
caggccgc	cccaaccc	ccagcacc	gctatacgt	ctgtaggcc	ccagccctg	1260
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caggacc	ccggcagc	tcacggcc	ggcgtgtt	ggtgcaggt	ggcttgcggc	1440
gaagaagg	tgcacgatgc	ccaggtagcg	gttggagg	atgcaggt	tgaagatgac	1500
gctgccc	agggtgcagg	tgaagaggaa	gctccagg	cgccacgc	cctcccccata	1560
gcccagtc	ttggggggat	agaggtag	ggccagcggg	ggcagcgt	grgcgcagag	1620
cagg	actgc	ggacagagaa	gaccacggc	gggtgc	ggcgtgc	1680
ccggatgc	aagcgat	ggccagg	attgc	ggccat	ggcgtgc	1740
cacc	atgc	ggccac	ccgc	ggact	caac	1800
caagaagtt	gcaggc	acttgc	cgagac	ggact	caac	1860
atcc	tgtgtctgt	acc	ccag	ggctt	ccat	1920

gtggccctg cccagccc

1939

<210> 146
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (128)
<223> n equals a,t,g, or c

<400> 146

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ctactccaag	cacagtattt	cctccaaagt	gctgggttcc	tcctggccca	gccggggcca	120
ttcnnttantg	gcatattttc	ttgcaagtgt	gagagccaga	gaggggcatg	tgttagtatcc	180
atgctcacaa	acagggctcc	atcctccctt	gtgtggtttc	tgtgtcttagc	atgtcatctt	240
ccttcctgcc	cctctgcaac	tgaggaattt	gctgtcttta	tacccaagta	tcacagcagc	300
agaatggggg	ctgccccatg	ccatgtcctc	ggtcatgggt	gtatcaaagg	caacacctgc	360
caggacaatg	ctgggttatga	tttctgccgt	cccctgggac	tggcctcatt	ccttaagagg	420
caagattaaa	aaaaaaaataaa	aagccaggca	cgagggctca	tgcctataat	cccagcactc	480
cagcactttg	ggaggccaaa	gcggaggatt	gcttgaactc	aggagttcra	gaccagcctg	540
ggcaacatag	cgagacccca	tctctacaaa	aaatttaaaa	atgaggcagg	tatggaggt	600
tgcgcctgt	gttccagct					619

<210> 147
<211> 2032
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> n equals a,t,g, or c

<400> 147

tcccnctcga	aataacccta	ctaaaggaa	caaaagctgg	agctccaccg	cgggtggccgc	60
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catgtcgccg	gcctcgctgg	gactccctgg	gagatgaggc	cgcgaggct	cccgccgctc	180
ctgggtgtgc	tcctgggctg	ctgggcctcc	gtgagcgc	agaccgatgc	caccccgccg	240
gtgacgacag	agggcctcaa	ctccaccgag	gcagccctgg	ccacccctcg	aactttcccg	300
tcgaccaggc	cccccgccgac	tcccagggt	ccagggccct	cctccggccc	caggcctacc	360
ccagtcacgg	acgttgctgt	tctctgtgtc	tgtgacttat	ccccagcaca	gtgtgacatc	420
aactgctgct	gtgatcccgaa	ctgcagctcc	gtggatttca	gtgtctttc	tgcctgctca	480
gttccagttg	tcacggcga	cagccagttt	tgttagtcaaa	aagcagtc	ctattcattt	540
aattttacag	caaaccacc	tcaaagagta	tttgaacttg	ttgaccagat	taatccatct	600
attttctgca	tcatatttac	aaactataaa	cctgcattat	cctttattaa	tccagaagta	660
cctgtatgaaa	acaattttga	tacattgtat	aaaacatctg	atggttttac	attgaatgt	720
gaatcatatg	tttccttac	aaccaaactg	gatattccta	ctgctgctaa	atatgagtat	780
ggggttccctc	tgcagacttc	agattcg	ctgagatttc	cttcgtccct	gacatcatct	840
ctgtgcactg	ataataaccc	tgcagcg	ctggtaacc	aggctgtt	gtgcaccaga	900
aaaataaatt	tagaacatgt	tgaagaaatt	gaagccctca	gcatggctt	ttacagcagc	960
ccggaaattc	tgagggttacc	tgattcaaga	aaaagggtcc	ctatcactgt	tcagtccatc	1020
gtcattcagt	ctctaaataaa	aacgctcacc	cgacgggagg	acactgtatgt	gctgcagccg	1080
actctcgta	acgctggaca	ctttagc	tgcgtgaatg	ttgttcttga	ggtaaagtac	1140

agcctcacat acacagatgc aggtgaagtc accaaagctg atctctcatt cgttctgggg	1200
acagttagca gcgttagtggt cccactgcag caaaagttt aaattcattt tcttcagggaa	1260
aatacccagc cagtccctct cagtgaaac cctgggtatg tcgtggggct cccattagct	1320
gctggattcc agcctcataa ggggtctggg attattcaga ccacaaaatag atatggacag	1380
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gaagtgaagt ggactaaata cggatccctg ctgaatccac aggccaaaat agtcaatgta	1740
actgcaaatac taatttcattc ctccttcctt gaggccaaact cagggaaatga aaggacgatt	1800
cttatttcca ctgcggttac ttttggat gtgtctgcac ctgcagaggc aggcttcaga	1860
gctccaccag ccatcaatgc caggctgccc ttaacttct tcttccgtt tgttgacaa	1920
tgctcagatg catcagttcc ttaatataca cgtgaaattt gaaaactgta cattcggtga	1980
gattaaattt tatataacaac tarmaaaaaaa aaaaaaaaaaa aaaggtcgac gc	2032

<210> 148

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (965)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1026)

<223> n equals a,t,g, or c

<400> 148

tggatgaatg ggttttagat ttgtgcttct atttccaaac ctctgtatgt gtacctttca	60
tgcaggtgga tttcagtgtg ttctttggat ggcaggcctt aagagaagag tcccactgca	120
cagcctcaga tacttcatct ccatgggtggg tctcttctcc aaaccaggac tgcttcctg	180
gtatgccaga aatccaccag gatggtcaca gctcttctg ggcacagtat gtaagggaga	240
tttcacccgt gtgatagcca cgaaatgtca gaaaggacaa aaaagtcaaa agaaaaccaa	300
ccatcttggaa ccactagatg gttcctggca ggaaaggctg gctgatgttg tgacaccact	360
ctggagggtt agctatgaag aacagctcaa ggtgaaattt gcagtcaga agaaaatttt	420
acaaagacta gagtcttaca tccaaatgct caatggagtc agtgtgacaa cggctgtacc	480
caaatctgag aggctcttctt gtcttcttca tcctattata cccyctctg tcatcaatgg	540
ttaccgaaat aagtccaccc tctctgtgaa ccgaggttca gatggcaatc caaagactgt	600
ggggttctac ctgggaactt ggagagatgg gaacggttgc tttgtgcagt ctaatcatct	660
aaaaaacatc ctttggaaac acagtcattt ggcgcagttac tatgaaatgtat tccttcgaca	720
gtctccattt gggcccttgc ttgttatttca tgaaggttca tactggcgat agtcacagt	780
ccgcaccaat agccaaggggc acacaatggc tatcatcaact ttccatcccc agaaaattaa	840
tcaggaggag ctccatgttc agaaggagat ttgttgcattca agaggttgcacc	900
gagcagcctg tggcttgacc tcactttact tccagggaaat taccatgacc cgttgcaacc	960
atcancagtc tcccttatcaa gcttctgttt ggggaaccta catctttga agaacttctg	1020
agcnngaaa gatccggatc tctccaaag	1048

<210> 149

<211> 701

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (691)
 <223> n equals a,t,g, or c

<400> 149

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agcaaactgt	cagggaaatgt	ccaacacaaa	tggcagtgca	atcacagaat	tcattttact	120
tgggctcaca	gattgcccgg	aactccagtc	tctgctttt	gtgctgttc	tggttgtta	180
cctcgtcacc	ctgcttaggca	acctggcat	gataatgtt	atgagactgg	actctcgcc	240
tcacacgccc	atgtacttct	tcctcactaa	cttagcctt	gtggatttg	gctatacatc	300
aaatgcaacc	ccgcagatgt	cgactaatat	cgtatctgag	aagaccattt	ccttgctgg	360
ttgctttaca	cagtgtaca	ttttcattgc	ccttctactc	actgagttt	acatgctggc	420
agcaatggcc	tatgaccgct	atgtggccat	ataagaccct	ctgcgtaca	gtgtgaaaac	480
gtccaggaga	gtttgcac	gtttggccac	atttccctat	gtctatggct	tctcagatgg	540
actctccag	gccatcctga	ccttccgcct	gacttctgt	agatccatg	tcatcaacca	600
cttctactgt	gctgacccgc	cgctcattaa	gctttctgtt	gtctatgca	gacatgcatg	660
tmattstgct	gaactctcag	tcctacatcg	ntgggccagc	t		701

<210> 150
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 150

acgtgaaaat	ctgccttctc	accatgaggc	ttctagtctt	ttccagcctg	ctctgtatcc	60
tgcttctctg	cttctccatc	ttctccacag	aagggaaagag	gcgtcctgccc	aaggcctgg	120
caggcaggag	aaccaggctc	tgctgccacc	gagtccttag	ccccaaactca	acaaacactga	180
aaggcctcac	agcagtgagc	tgcaatgtt	gagggcttca	tctcgggctg	caaggacc	240
gggaaagttc	cagaactcca	cgtcctgtc	tcaattgtgc	catcaacttt	cagagctatc	300
atgagccaac	ctcaccggac	agggcctcag	tcgcccaccat	gtggccctct	ccagtgc	360
ccaccggagca	ttccaccatg	accggtcaca	gctacaaatc	cagagaccat	caatcctgct	420
agagtgccagg	gtggcaagca	cccaagggtg	gctgaccaag	actgcagagt	ctcctccatc	480
ttcaggtcca	ttcagcctcc	tggcattaa	ctaccagcat	ccagtggkcc	ccaaggaatc	540
ccttccttagc	ctcctgacat	gagtctgctg	gaaagagcat	ccaaacaaac	aagkaataaaa	600
taaataaaata	aactcaa					617

<210> 151
 <211> 881
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (864)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (869)
 <223> n equals a,t,g, or c

<400> 151

gccccacgcgt	ccgcacagct	ccctccca	gacgtaaaa	tctgccttct	caccatgagg	60
cttctagtcc	tttccagcct	gctctgtatc	ctgcttctct	gcttctccat	cttctccaca	120
gaagggaaaga	ggcgtcctgc	caaggcctgg	tcaggcagga	gaaccaggct	ctgctgcac	180
cgagtcccta	gcccccaactc	aacaaacctg	aaaggacatc	atgtgaggct	ctgtaaacca	240
tgcaagctt	agccagagcc	ccgccttgg	gtggtgcctg	gggcactccc	acaggtgtag	300
cactccaaa	gcaagactcc	agacagcgg	gaacctcatg	cctggcac	gaggtaccca	360

gcagcctcct	gtctcccctt	tcagcttca	cagcagttag	ctgcaatgtt	ggagggcttc	420
atctcggtct	gcaaggaccc	tggaaagtt	ccagaactcc	acgtccttgc	ctcaatttg	480
ccatcaactt	tcaagactat	catgagccaa	cctcaccctt	cagggcctca	gtccacca	540
tgtggcctc	tccagtgc	accaccgagc	attccaccat	gaccggcac	agctacaat	600
ccagagacca	tcaatcctgc	tagagtgc	ggwggcaagc	acccaagggt	ggctgaccaa	660
gactgcagag	tccctccat	ttcagggtcc	attcagcctc	ctggcattta	actaccagca	720
tccagtggtc	cccaagggat	ccctccttag	cctcctgaca	tgagtctgct	ggaaagagca	780
tccaaacaaa	caagtaataa	ataaataaat	aaactcaaaa	aaaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaagggcg	ccgntctana	ggatccaagc	t		881

<210> 152

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (436)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (531)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (551)

<223> n equals a,t,g, or c

<400> 152

ggacgcagcc	agggtgtccc	agcttcgct	ctagcgcag	cgcggaggac	gcgatgtctg	60
ggctgtctcg	cccgctgctt	ttggccgtcg	gctgcctggc	cgcgcctcgc	gtaatcacag	120
cggctggaa	caccaccctg	gccccgaacg	tgactacagc	ctcgctccca	ccgccccacca	180
ccacgacagt	cccggtgtca	ccgacgactc	tctcgccgct	gccggtcacc	actccagcac	240
cagatatctg	tggaagccga	aacagttgt	tttcctgtgt	tgtatgtat	gctacctgct	300
tttggataga	atgtaaaggt	aaaagctact	gttcagataa	ttcaacagct	ggtgattgca	360
aggtggtgaa	caccacagga	ttctgttctg	ctaaaaccac	aactctgcct	tccactacta	420
caactccac	cacagntact	acatcaggta	caactaatac	cactctatct	ccaactatac	480
aacctacncg	gaagtctacc	tttgatgcan	gccagttca	ttggaggaat	ngcccttgct	540
tgggtgtgca	ngctgttaatt	ttctttctct	attaat			576

<210> 153

<211> 637

<212> DNA

<213> Homo sapiens

<400> 153

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ggcatgagcc	gctgcacctg	gccttcattt	agtttcttcc	tttcttcctt	tctttcttt	120

tttagatgga	gtctcgctct	gtcagccagg	ctggaggcga	gtggcgtgat	cttggctcac	180
tgcaacctcc	gcctcccagg	ttcaagcgat	tctcctgcct	cggcctccca	aagtgctggg	240
attacaggca	tgagccgctg	tgctgacgtt	catttggttt	ctataatcac	caaagccat	300
ctggctctat	ggcccttgca	gatgaatatac	ctcccttaga	acacatcttc	cccaagagtt	360
caccctgatg	gcaacttctc	atccattagg	cctcagctt	aatgtatcat	cttcaggat	420
gctttcactg	tccctccct	ccagtgtaat	ctagatccct	gtctctatta	cccagcactg	480
tcaacagata	gaaatgttcc	ctatctgtcc	tgtccaatat	tacagccacc	actgtatgt	540
gtcagtgagc	acttgaatatg	tgaactgaat	ttaagattc	gatttaatat	taatttattt	600
aatgtaaac	aaccacatgt	ggccagtggc	taccaga			637

<210> 154
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (156)
<223> n equals a,t,g, or c

<400> 154
aagnaatgga atcaaagant aattttcttg gtctctgtgt ctctggctt ctcctaagtc 60
ntggagcttg aaaatctgcc gcagaatggc cgccagtgtt acagtgcacgg 120
cccatggatg ctccctgtt gagaacttccn tcattnactg ccgaggcccc atgaawcaat 180
gtctggtasc caccggwayt masgaaccgr aaaaccmaag ctatatggta agaggctgt 240
caaccgcctm aatgtgcmaa matgccmacc tgggtgacgc cytcagcatg aaccacattg 300
atgtctcctg ctgtactaaa agtgctgtt accacccaga cctggatgtc cagtaccgca 360
gtggggctgc tcctcagctt ggccctgccc atctcagcyt caccatcacc ctgctaatga 420
ctgccagact gtggggaggg actctccctt ggacctaaac ctgaaatccc cctctctgccc 480
ctggctggat ccgggggacc ccttgcctt tccctcggtt cccagcccta cagacttgct 540
gtgtgacctc aggccagttt gcccacccctt ctgggcctca gttttccctt cttatgtt 600
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tgggagagct ttgttattttt ttaatattgt tgccgctgtt gtgttgtt tattatattt 720
tattcatattt atttattttt tacttacata aagattttgtt wccagtggaaa aaaaaaaaaa 780
aaaaaaaaaaa aaaaaactcga 800

<210> 155
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (668)
<223> n equals a,t,g, or c

<400> 155

ctcaactaaag ggaacaaaag ctggagctcg cgccgcctgca ggtcgacact agtggatcca	60
aagaattcgg cacgagtctc tctctctctc cttttttttt acagggtatt actctatgcc	120
caggctggag tgcagtagct caatctcagc tcactgcagc ctcaacctgc tggactcaag	180
cagtcctccc accccagcct cccaaatgcg tggactaca gatactcaac accacacccg	240
gctaattttt ttgttagagat ggaatttcac catgttgcctt aggctggctc cgaactccct	300
ggctcaggcg atctgcccac ctcaacctcc cacagtgcgt gtattacagg cgtgaaggca	360
ccacccccca ccaagattga tttttctga ggggtctt cttggccatc ttctgtgtct	420
tcccatggtc ttccctctgt tatgcgtctt tgcctgatt tcttcttcct tggctggtga	480
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ggagggacat gktctccctgt ggcaggcgca cgttgktgag tttaagggtgg tggagcactt	660
gatatacanaa atgggtgccc gcgg	684

<210> 156

<211> 1574

<212> DNA

<213> Homo sapiens

<400> 156

acacagtgcg aggaggttta aagggtgtaa tgcgttggc acatcacaac cagtaagaaa	60
cgttggtag gttatccaca tcttttgcgt actgtttcca tatacattc tggtcaccgt	120
atttccaaa gctaaatct gaggcgtggg ctgtatgggtt ttgaaatcag gattacccca	180
ggaagaacca gtcctatta ctaattttcc tgattcttag gctctgaagg cttgtcttag	240
acacattccg gagacctttg taccagaact tggatgcata gtccacccctt ctactgatac	300
acgcctgagc accctttagg gcgaggcgcc gcctcctgccc tgctgtccctg tccctcagca	360
tcagaagagt tgaattcagc aggagacggg agcccggtgt ccatgaggga agaggggtcg	420
cgttggttt ctactgaccc ccatgaagat ttcaagacttg cagtgcggcc acctggccct	480
gccctgcctc tctctttctc atacagctt aaaactttac tactttatt taaaatgaa	540
ctggatggga gagaagtagc gtcccttacc ctacaagtc cacattccgg ggakgggggt	600
gggggggtgg ggcaggaagt catgggggtg ggggtggag cacgggaaca gcttcttaa	660
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gtgcttattt gaaaccagg tgcgtgagcc gaatgcctgc cagggccatgc actcagcaga	780
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gtgtgagtgg gagactttgc tccctggcct catccttagag agggccctgg tgcctagtg	960
tgaggcctct ggggtggaa agcctcagca gaaaggaggc actactgagc aactatgcat	1020
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atgtgttggg tgcattgtc cgggtctcag ctggcccttcc cccgcacagg caaccccttc	1140
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ccaagggtcc aagaccattt ccattggagct catgttttc ttttctgttag gaacttttt	1260
ttaaccaggca cccaccataa ttccgaaggc cacgtttcat ctttccctggta tcactacagt	1320
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tgtatgttgc atggcataga ttctatattt taatgtatgc ctatgcacaa agaaaaattt	1440
acgaaattgt aaattttattt gtttaacgt gtatgcattt ttatgtacgt ttacatttt	1500
aaataaaattt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt	1560
cccgaaaccc matt	1574

<210> 157

<211> 2050
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (878)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1573)
<223> n equals a,t,g, or c

<400> 157

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gagcagcgcg gttctcgccc gggacacgag aacgcaggg gaccctcacc tggcgccg	120
ggggcacggg ctttgattgt cctgggtcg cggagacccg cgccctgcc ctgcacgccc	180
ggcggcaacc ttgcagtcg cggtggctgc tgcgatcgcc cggcggtcc ctgcccgaagg	240
ctcgctgtct tctgtccacc tcttacactt cttcattttat cggtgatca tttcgagagt	300
ccgtcttgta aatgtttggc actttgtac tttattgttt ctttctggcg acagttccag	360
cactcgcgaa gaccggcgaa gaaaggcagc tgagcccgaa gaagagcgaat atatgggac	420
ccgggctaaa agcagacgtc gtcctcccg cccgctattt ctatattcag gcagtggata	480
catcaggaa taaattcaca tcttctccag gcgaaaaggt cttccaggtg aaagtctcag	540
caccagagga gcaattcaact agagttggag tccaggtttt agaccggaaa gatgggtcct	600
tcatagtaag atacagaatg tatgcaagct acaaaaatct gaaggtggaa gttaaattcc	660
aaggccaaca tgtggccaaa tccccatata tttaaaagg gcccgttac catgagaact	720
gtgactgtcc tctgcaagat agtgcagcct ggctacggaa gatgaactgc cctgaaacca	780
ttgctcagat tcagagagat ctggcacatt tccctgctgt ggatccagaa aagattgcag	840
tagaaatccc aaaaagattt ggacagaggc agagctantg tcactacacc tttaaaggata	900
acaaggttta tatcaagact catggtaac atgttagttt tagaattttc atggatgcca	960
tactacttcc ttgactaga aaggtgaaga tgccagatgt ggagctctt gttaaatttt	1020
gagactggcc tttggaaaaaa aagaatcca attcaaacat ccatccgayc ttttctgtt	1080
gtggctccac agattccaag gatatcgta tgcctacgta cgatttact gattctgttc	1140
tggaaaccat gggccgggtt agtctggata tgatgtccgt gcaagctaacc acgggtcctc	1200
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ttttcttctt taaacacgat gaaaacctgt atggccat tttttttttt tttttttttt	1380
tgattttttc aagcataagt atcmaataaaa tttttttttt tttttttttt	1440
gccatatttgc ttagttggt acagtgttgc gttttttttt tttttttttt	1500
tttttacaat gagctgcagc cttttttttt tttttttttt	1560
tctgttagaa aacccatggta gggcgaaaga tcacgttgc gttttttttt tttttttttt	1620
agcaggacaa gaattttttt gaaataatct catggcgat gacatattct gttttttttt	1680
caaacttttc caggaatatg ccaattttttt tttttttttt	1740
gaaaagggtt gttttttttt tttttttttt	1800
gacccaaatggat gttttttttt tttttttttt	1860
ctttttttttt tttttttttt	1920
tgtgtgattt gttttttttt tttttttttt	1980
ctttttttttt tttttttttt	2040
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<210> 158
<211> 638
<212> DNA
<213> Homo sapiens

<400> 158
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ggattatctc atggccctgtt tggctgtctg tttttttttt tttttttttt

tctgccaaga	tttatccctt	ctctgcagcc	acttgctgtc	cagctccct	tctttgtaga	240
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tggtgactgk	tatgtggcct	ttacaggcct	taggcacaat	aaagcttcc	caggttcagc	540
ctactgagtg	ctatggctat	gacctggaca	ttaaactggc	cctcataggt	ttagacactgg	600
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<210> 159
<211> 1332
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1323)
<223> n equals a,t,g, or c

<400> 159						
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tgcaaaagaaa	atatggttgc	agaattcttg	caatttaatt	tttagtaaatt	ctttatcttt	180
tttattacca	taccttaaaa	ttgctatgca	catatttct	gtctcagtt	tgtactcaac	240
tagaaattac	ctttacttw	ctaccgttat	tttattgaaa	tactgtgccc	atcctgcatt	300
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tttcattctt	tcaagcaaca	tgaccatgat	accccatata	gaccagat	tgtgctacag	600
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tcaatcaaac	aatcaatcaa	tcaatcaatc	aatcaaggt	tcccaagggg	gaggaatctg	1140
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aagtgtactc	gtgcccatt	cctgcagccc	ggggatcca	ctagttctag	agcggccgccc	1260
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tcngcgtatc	at					1332

<210> 160
<211> 1267
<212> DNA
<213> Homo sapiens

<400> 160

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gcaccagccc	ccaggcaccg	agagcacgag	catgggcacc	aagccaggcc	tcccaggctg	720
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<210> 161

<211> 476

<212> DNA

<213> Homo sapiens

<400> 161

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gagaaggcga	gcaaggctgg	ctggccgcag	ccctctgtgg	ctggacacga	cttggcaagg	180
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gaaatgaagg	gggtgccgccc	ctgaacaggc	acatgcctaa	gcaaggattt	gacgcttgg	300
taaagctggc	aaccaccagg	agaagcctt	ttgggattt	tcaaattcctt	cgycatccga	360
gctgtatga	tggagtggar	cgtkgcacgg	gcccattgga	gttctgtkgg	ctccatcggm	420
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<210> 162

<211> 1040

<212> DNA

<213> Homo sapiens

<400> 162

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acttcccaac	cactgttcaa	aagctgtgat	ttttgtctcc	ccttcccacc	ctccagccaa	180
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tcacttaact	ggagcttgg	gacgcaccct	ccacagtggg	aggtgtgtt	gggtggcggt	360
ggcggggcct	cacgacagct	tggtgcgtgt	aagaggaagc	ccgtgttct	ggctaggctc	420
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<212> DNA						
<213> Homo sapiens						
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<222> (8)						
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<220>						
<221> SITE						
<222> (24)						
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<220>						
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<222> (60)						
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<220>						
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<222> (119)						
<223> n equals a,t,g, or c						
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aaaaaaaaaa	aaaaaaactcg	a				621
<210> 164						
<211> 601						
<212> DNA						
<213> Homo sapiens						
<220>						
<221> SITE						
<222> (592)						
<223> n equals a,t,g, or c						
<400> 164						
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gggagcatag	gacctggccg	sagccaggaa	tctacactga	ccggctcagc	ccatgaagta	180

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aagccctgtt gttgccagag agtacagaag ggcgggagct gaccaggcgc ccggcagagt	360
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<210> 165

<211> 3337

<212> DNA

<213> Homo sapiens

<400> 165

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atactgtgga tacttagaga aattccaaagc atatataatca ttggaaattttt ccgaaatccc	180
ttttatccga aggatgtgca aactgtgact gtattcttg agaagcaaac taggctcatg	240
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acaagagcct tttagaatggt wtggcagaat wcagaaaawg cyttattgga gacmgcatt	420
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<210> 166
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (508)
<223> n equals a,t,g, or c

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<210> 167
<211> 1367
<212> DNA
<213> Homo sapiens

<220>
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<222> (1339)
<223> n equals a,t,g, or c

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<210> 168

<211> 594

<212> DNA

<213> Homo sapiens

<400> 168

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ccttcctgtat ggcgttcgtt gtcctctgtt ctctctgtat ggggaaggag tttccacgc	180
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atggagatgg cgagttctgc tggctctgg ctctctggct gcctcatccc ttcgtcttc	300
ctccggctgt ctgtgcgtat gtcaggccac gcaggggatg ccggcaagtt ccacgtggcc	360
ctactagggg gcacagccga gctgcctgc cctctctccc tctggcccg gacggtaccc	420
aaggakgtga ggtggctgcg gtccccattc ccgcagcgtc cccaggctgt tcacatattc	480
cgggatggga aggaccagga tgaagatctg atgcccgaat ataaggggag gacggtgcta	540
gtgagagatg cccaaagaggg aagtgtcaact ctgcagatcc ttgacgtgcg cttt	594

<210> 169

<211> 684

<212> DNA

<213> Homo sapiens

<400> 169

cggacgcgtg ggtcgcccac gcgtccgtgt ttccattagt gatactgatg tctcactgtt	60
gttctctccg agttgacttt tctgtgcctt tggcatgtctt atctctccct ctgctggaa	120
tgtccctttc agccgttcaa actccctcaa aatccagctc agatgttaca ttttctttaa	180
gcactctgtat ccccccccccaaaatagact tagtccagcc ttctctggg ttcccacagc	240
actcagtata gttgaaagg tccttataa yagtcattat tacattttc aaaaataatt	300
tcatattcat taacctcatt agattataag cacctcaatt atgttagactg ttttattact	360
gctgwcccaag cacagcacct ggcacagttt gctgttcaag acatctgt tgagtggta	420
aatgaatgag ttccactcca gttccctgtt tttggacact ccaggggcct tttctttcc	480
tttcccttc tcacgttaggc tgatgcctg gtcttccagc tatgcactct acctgcctt	540
cgawgctcta agccgatgtg tccatcattt ggctgtttgc atattctgtat tcatgacatt	600
ctccctgcaca gtgctggctg acactctgtat gcccata tctgacttct ctggccagcc	660
tgtatgccta ccatcagctc gccc	684

<210> 170

<211> 1494

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (345)
 <223> n equals a,t,g, or c

<400> 170

gaattcttcc	tggacttgat	ccttccttc	aggttccttc	tggcccaggg	tgtgtctaaa	60
aatatcaccc	gggagtaga	gcctagaatg	gggacctcac	gactctgcct	gatgccttat	120
tcaactgtgg	ctgagatgg	atttatgttg	caaaaacaag	tcctgtttat	ccttcctct	180
cctctctca	aggagaaggg	tggaaatctct	tttggagctg	ggagccttcc	tgcctttgat	240
tggggatgt	gtgacacaag	cgctccctta	gccgcattgg	ctgggtgtctc	actaggtcat	300
gtaccccaa	gtccactggc	tctgagccca	gcccagact	acaanttgc	taggagttac	360
agtccctgtg	amctagcctg	cctttactg	ttattnagga	ccccagagca	ctttagcctg	420
tggtggcgag	gcttgcagaa	actccagttc	caacctccag	gctgtgtat	tgtcctgtcc	480
ctggggctgg	tctaaatgt	ccattcattt	gcattggctg	agttctgccc	gattggcag	540
caactgcgtt	cggctttag	tcccacagt	gctgtgtct	ttcccccgtgt	gcagcgcaga	600
ttcttcctct	gtgcccgtgt	gttgctacga	gcfgatgggg	gagggctggg	gtcagcaatt	660
caagactgtc	ttttctatcc	tcttcaactgc	ctctttcagc	aatatgaagg	tactgtgatt	720
gctcacatga	tttttggttc	ttatnaggt	gcttttgtg	taggtggttg	ttagattttg	780
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attccagctt	gtttcttattt	ttaattttt	ttgcaatgg	gtskytgcc	tggccctgaa	900
taatatttaa	ataaatcaca	aggacttggaa	actacaaaat	gtataacttag	agccaaagtc	960
accttacttg	taagaactgg	aaatggggat	aatgctct	atggttatgc	agcctactct	1020
tttactaacc	tttctggact	agatcttga	agtgcgtct	agcttcctc	ctttcctgaa	1080
gagagcagag	atagtgtgc	ttaactgtg	gtcatacatg	tatnaggaat	aactttatgt	1140
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aatgagcaga	ttgggtcaact	gacattttg	attatttgta	atacatgtgt	tgcttggaaat	1260
aatactgtta	atttccagaa	atataagtga	accttagctt	ttctgttggt	ggcttttaaa	1320
ctttttatga	ttggaaaatg	tgtgaatttt	ctcctgggaa	agtataact	ggagacttag	1380
ataccagtag	atgaatttgag	gaatttctgt	gtacgttt	aatatagaaa	agagttagct	1440
gtccatgagg	aagggtttt	agaacaacaa	taactaccaa	aaaaaaaaaa	aaaaaa	1494

<210> 171
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (602)
 <223> n equals a,t,g, or c

<400> 171

gagaggagag	actaaggacg	ctagggtggc	agggctcttc	acttgcagcc	tcgaagcgg	60
ggatccctgt	gtcccagccg	ggcatggccg	accccccacca	gcttttcgt	gacacaagtt	120
cagcccgag	ccggggctat	ggggccccagc	gggcacctgg	tggcctgagt	tatcctgcag	180
cctctccac	gccccatgca	gccttcctgg	ctgacccgt	gtccaacatg	gccatggcct	240
atgggagcag	cctggcccg	cagggcaagg	agctgggtga	taagaacatc	gaccgcttca	300
tccccatcac	caagctcaag	tattacttg	ctgtggacac	catgtatgt	ggcagaaaagc	360
tgggcctgct	tttcttcccc	tacctacacc	aggactggga	agtgcagtac	caacaggaca	420
ccccgggtggc	cccccgctt	gacgtcaatg	ccccggacct	ctacattcca	gcaatggcct	480
tcatcaccta	ctttttgggt	gctggcttgc	gctggggacc	caggataggt	tytccccagm	540
cctccctgggg	ctgcaagcga	gctcagccct	ggctgctgac	cctgaagtgc	tggcatctgc	600
tnagcttatt						610

<210> 172
 <211> 654
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
<222> (594)
<223> n equals a,t,g, or c

<400> 172

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catgtcagtg	ttgactttac	aagaatatga	attcgaaaag	cagttcaacg	agaatgaagc	180
catccaatgg	atgcagggaaa	actggaagaa	atcttcctg	tttctgctc	tgtatgctgc	240
ctttatattc	gggtgtcgcc	acctaatacgaa	taaacgagca	aagttgaac	tgaggaagcc	300
attagtgc	tggctctga	cccttgcagt	cttcagtata	ttcggtgctc	ttcgaactgg	360
tgcttatatg	gtgtacattt	tgtgaccaa	aggcctgaag	cagtcagttt	gtgaccagkg	420
tttttacaat	ggacctgtca	gcaaattctg	ggctttagca	tttgcctaa	gcaaaggcacc	480
cgaactagga	gatacaataat	tcattattct	gaggaagcag	aagctgatct	tcctgcactg	540
gtatcaccac	atcactgtgc	tcctgtactc	tgggtactcc	tacaaagaca	tggnttgccg	600
gggaggttgg	ttcatgacta	tgaactatgg	cgtgcacgccc	gtgatgtact	ctta	654

<210> 173

<211> 2046

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1986)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1993)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2019)

<223> n equals a,t,g, or c

<400> 173

cctggattc aggactgaat	tggaagtctg agnatcagtg	tggagccata tctcggtgg	60
caaagccgga ttgtccgtct	gattatctca atgtcnagtn	cccacctgct cgntgtatc	120
ancactaaca nngaacaata	tcaaggacaa cctgytttg	agccaggcag cctcagacac	180
ctgcctgtgg cccckccctcc	acttctcctg cccggatgcc	agtgtccga gctcagacag	240
aggaagccct gcagaaaagg	ccatcaggct gttcctaaa	ggatgtgtga acgggagatg	300
atgcactgtg tttgaaaagt	tgtcattta aagcattta	gcacagttca tagtccacag	360
ttgatgcagc atcctgagat	tttaaatcct gaagtgtggg	tggcgcacac accaagttagg	420
gagctagtca ggcagttgc	ttaaggaact tttgtctct	gtctctttc cttaaaattt	480
ggggtaagga gggaaaggaag	agggaaagag atgactaact	aaaatcattt ttacagcaaa	540
aactgctcaa agccatttaa	attatatcct cattttaaa	gtkacatttgc caaatattt	600
tccctatgtat aatgtatgt	atagtgtgca ctcttctct	ctctctctct ctctcacaca	660
cacacacaca cacacacaca	cacacacaca sacacggcac	cattctgcct ggggcactgg	720
aacacattcc tgggggtcac	cgatggtcag agtcaactag	agttacctga gtatctctgg	780
gaggcctcat gtctcctgtg	ggcttttac caccactgtg	caggagaaca gacagaggaa	840
atgtgtctcc ctccaaggccc	ccaaagcctc agagaarggg	tgtttctggg tttgccttag	900
caatgcattcg gtctctgagg	tgacactctg gagcgggtga	agggccacaa ggtgcagggt	960
taatactctt gccagtttg	aaatatacat gctatggttc	agattgtttt taatagaaaa	1020
ctaaaggggc aggggaagt	aaaggaaaga tggagggtt	gtgcggctcg atggggcatt	1080
tggaacttct ttttaaaagtc	atctcatggt ctccagttt	cagttggAAC tctgggttt	1140
aacacttaag ggagacaaaag	gctgtgtcca tttggcaaaa	cttccttggc cacgagactc	1200
taggtatgt gtgaagctgg	gcagtctgtg gtgtggagag	cagccatctg tctggccatt	1260
cagaggattc taaagacatg	gctggatgctg ctgctgacca	acatcagcac taaaataaa	1320
gcaaattgca catttctccc	tctggccctt gaaaatcctt	gcccttatca tttgggggtga	1380
aggagacatt tctgtcttg	gcttcccaca gcccccaacgc	agtctgtgtc tgattcctgg	1440
gatccaacga gcccctctat	tttcacagtg ttctgattgc	tctcacagcc caggcccatc	1500
gtctgttctc tgaatgcagc	cctgttctca acaacaggg	ggtcatggaa cccctctgtg	1560
gaaccaccaa ggggagaaat	gggtgataaa gaatccagg	cctcaaaacc ttcccctggca	1620
ggctgggtcc ctctcctgt	gggtgggtgc ttctcttgc	caccactccc accacgggg	1680
gagagccagc aacccaacca	gacagctcag gttgtgcatt	tgtatggaaac cactgggctc	1740
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tttggggat cttggggcta	cagtagtggg taaacaaaatg	cccaccggcc aagaggccat	1860
taacaaatcg tccttgtcct	gagggccccc agcttgctcg	ggcgtggcac agtggggaaa	1920
tccaaagggtc acagtatggg	rgaraggttg caccctgc	ccctgctaacc ttccctccgc	1980
ttaaanacag tgntttcct	gccccagggt taaacctgnt	ttcccaccaa gcaaaaaaca	2040
agccca			2046

<210> 174

<211> 1439

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (73)

<223> n equals a, t, g, or c

<400> 174

cctaaacgtc	caacgtcaat	gcccaaacc	accagangcc	aacacaccta	cgtgtaaaca	60
nctacgcgt	tangttggg	gtaaatgtgg	ggaatgaaac	tgccatgaag	gcccctgaat	120
taaaggatgt	gggaagtgg	gctcggtcc	actgtccggc	cttgcaggc	cmccyggagg	180
cctgtctgtt	agcagtggt	ggaggagcaa	ggcttcagga	agggccagcc	acatgccatc	240
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tgtccattt	gcaggatgaa	ctgagttaa	aagaattttt	tttctcttc	aaggtgctt	360
gtctttcca	tcctcatcac	aagcccttgt	tttagtgtct	tatccctgag	caatcttcg	420
atggatggag	atgatcatta	ggtactttt	tttcaaccctt	tattcctgta	aatatttctg	480
tgaaaactag	gagaacagag	atgagattt	acaaaaaaaaa	attgaattaa	aaataacaca	540
gtcttttaa	aactaacata	ggaaagcctt	tcctattatt	tctttctta	gctctccat	600
tgtctaaatc	agggaaaacag	gaaaacacag	ctttctagca	gctgcaaaat	ggttaatgc	660
ccctacata	tttccatcac	cttgaacaat	agctttagct	tgggaatctg	agatatgtac	720
ccagaaaaca	tctgtctcta	cttcggctgc	aaaacccatg	gtttaaatct	atatggtttgc	780
tgcattttct	caactaaaaa	tagagatgat	aatccgaatt	ctccatata	tcactaatca	840
aagacactat	tttcatacta	gattccttag	acaaatactc	actgaagggc	ttgtttaaaaa	900
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ggaatccctt	tattgtgt	ttgctttat	ctgcaagggt	gcaagcagtt	cttttcagca	1020
gattttgccc	actattcctc	tgagctgaag	ttctttgcatt	agattttggct	taagcttgaa	1080
tttagatccct	gcaaaggctt	gctctgtat	gtcagatgt	attgtaaatg	tcaaatatca	1140
cttcatgaac	gctaaatgag	aatgtaaatg	tttttaatg	tgtgtatttc	aaattttgttt	1200
gactaattct	ggaattacaa	gatttctatg	caggatttac	ttcattctcg	tgcatgtttc	1260
ccaaactgtg	aggagggaaag	gctcagagat	cgagcttctc	ctctgagttc	taacaaaaatg	1320
gtgcttgag	ggtcagcctt	taggaaggt	cagcttgtt	gtcctttgag	ctttctgtta	1380
tgtqcctatc	ctaataaaact	cttaaacaca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1439

<210> 175

<211> 675

<212> DNA

<213> Homo sapiens

<400> 175

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tggaaatttct	ctcttattgc	ccaggcgttga	gtgcagtggc	acgatcttgg	ctcacctcaa	120
cctccgcctc	ccgggttga	gcgatttctcc	ttccctggcc	tcccgagcag	ctgggattac	180
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tttcccaggg	gatgttagtg	cagcctgtct	ggggaccatg	gttcgagaac	catagctcta	420
gatttttcta	agagcatttc	tgtctccatg	ccagacctgt	tttcctccat	gaagtatact	480
atttcaatgc	tcgacttagt	gtttatgttt	tactctttct	actgtttta	caatcttaat	540
ccagcctata	aattcctctg	ggcagaaaatt	atacccttcca	cactcttca	tttctgttt	600
tggaaaataa	ttagtacatc	ttcagcatga	ttaataatag	aatggagaaa	ggggaaaacc	660
tcagactatc	aaccc					675

<210> 176

<211> 8446

<212> DNA

<213> *Homo sapiens*

<220>

<221> SITE

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (3087)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4356)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6401)
 <223> n equals a,t,g, or c

<400> 176

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tgcgtaccga	cctcgcttat	cgcctgcgt	ttgtggtgac	cgacgcccgt	gatgcgttac	120
gccagggaaat	gccagtgcacg	gtacaattcg	gtgacgaggc	aggacatgaa	tgatgccgtt	180
atcacgctga	acggcctgga	aaaacgcctt	ccgggcattgg	acaagcccgc	cgtcgcccg	240
ctcgattgt	tcattcacgc	cggttatgt	acgggggttgg	tggggccgg	cggtgcaggt	300
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ccgcagaaaat	ttggctgt	tgaagatctc	acggtgatgg	agaacctcaa	tctgtacgcg	480
gatttgcgca	gcgtcaccgg	cgaggcacgt	aagcaaactt	ttgctcgcc	gctggagtt	540
acgtcttgc	ggccgttac	cggacgcct	gcccccaagc	tctccgg	gatgaaacaa	600
aaactcggtc	ttgcctgtac	cctggggc	gaaccgaaag	tgttgcgt	cgtatgaaaccc	660
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cgtctgtatcc	tcaaaaaaaga	ggccacacca	gacgatattc	gccatgccc	cgggatgcc	1020
gaaatcaaca	tcaacgaaac	tacggcgt	tttgaagatg	cgttattga	tttgcgtggc	1080
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ggcgagacgg	tgatcgaaac	gaaagaactg	accaagaaat	ttggggattt	tgccgcccacc	1200
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gaggcgttgc	gcctgaaaag	tatgcctcc	cacgcaccc	atgaactgac	attaggttt	1560
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tcgcgtacgg	gcccgtgt	ttaaagagac	gccccgatc	gttcgcgt	cgagtagct	1980
gctgattgcg	gtatgtatcc	cgctgtact	gctgttatt	tttgcgt	gcattaaact	2040
cgactccgc	aagctgcgg	tcgggattt	actggacag	cgtacgc	cgccgtgt	2100
tttcacccac	accatgaccc	tttcgcct	catgcacgc	accatcagc	ataaccgtca	2160
ggaactgatc	gccaaaaatgc	aggcgggaa	aattcgcgg	ctgggtgtt	ttccgggt	2220
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cagtgagccg	aataccgc	actttgtaca	ggggtatgt	gaaggatct	ggncagatct	2340
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cagtgttat	tctcgccgt	ccgtatcg	ggtcgtgt	gattctgtt	tttatctcca	2700

gcctgtttt	actcagtacc	ctggggatgg	ggctgctgat	ttccacgatt	acccgcaacc	2760
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<210> 177

<211> 730

<212> DNA

<213> Homo sapiens

<400> 177

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gagctggca gactgtggga tgggatggca gtcggggcc ctgtcagctg tggggctgtg	180
gttcacagct ggggactccc acctttctgt ccaggctgtt ggagggggcc cagccctcac	240
cctctggcac ctccgatcct ccacacccac caccatcttc cccatccggg cgccacagaa	300
gcacgtcacc ttctaccagg acctggtgag gcccgtgtc tcacttctgc caccggact	360
gactcttccc ttcagtcctg accccctgagc accttccctg tcctctgcag attctgtcag	420
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<210> 178

<211> 621

<212> DNA

<213> Homo sapiens

<400> 178

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cgtgtattgt	ctcagaaaca	acacagtgtc	ccgacaaaaaa	cttgagagtc	420
cagcgggcaa	tttgcattt	ttctcttagg	tttctcatct	gtaaagtggg	480
gtacccctt	gttaggatgtat	tataatgtct	tgtggctaca	agccaaggaa	540
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<210> 179

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (409)

<223> n equals a,t,g, or c

<400> 179

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ctgtggcgt	gtatgcttgt	agttccagct	acttgggagg	ctgaggcagg	agaatttctt	480
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aagactctgt	ctcaaaaaaa					558

<210> 180

<211> 1513

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1481)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1513)

<223> n equals a,t,g, or c

<400> 180

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cctgaaggct cccatgacca gtttggctt caaggtcacc aggaaagtac atcaccacgg	180
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accctcatac agacatgtgt ccaggaactc agagccctgc tgccttcattt acctccagct	420
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<210> 181

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (155)

<223> n equals a,t,g, or c

<400> 181

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<210> 182
<211> 1909
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1902)
<223> n equals a,t,g, or c

<400> 182	
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cagctccaaa agccactgtat gacaaggccc ccactgtgaa acctaagtct gggagcccc	180
tgacttctgg ctggccagag gctgcgtcc gtcaagggtt tgcctcgctt cagaatcaat	240
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<210> 183
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (62)
 <223> n equals a,t,g, or c

<400> 183

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ctttctgaat	tagtcaggg	tctccataga	aagataatca	attgttttt	tatattttta	600
aggagatttt	attatggaga	attagcatat	gcaaataatgg	agaccacaat	gtgccatcta	660
caagctggag	acccaagaca	gctgggtgt	taattcartc	tgagtcgaa	ggctgagagc	720
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<210> 184

<211> 614

<212> DNA

<213> Homo sapiens

<400> 184

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ggagaagaca	atgaagggtt	ctacaattaa	gatttgctc	tattttttcc	atcatatcta	180
tgcatctctc	cataccttta	ttcctctacc	caatccatct	attttttat	gcatttcaaa	240
gtacattgca	gacatttagta	catgacacact	ctaattcagtt	ttatgttctt	ttccttttta	300
ctttatacga	aataaaaatc	acagttaca	attatcaagt	gcttactgtc	aggcactgtg	360
ccaaggactt	tccttgatt	acataatttgc	aatctcatgg	taaccctata	agtagcgtt	420
ccacccat	tttacaaatg	agaagaactg	aaacagagaa	caatgggtgc	aattaacatt	480
ttaaaaagtct	ttctatggc	cattcacagt	gcaagtactt	ttcatgcatt	awctcagtt	540
atcccttata	gcaatttcat	aaaggcaata	ctattacmga	tgcaaaaatttgc	agactttkag	600
aaaaagatct	tgga					614

<210> 185

<211> 437

<212> DNA

<213> Homo sapiens

<400> 185

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ttacmtcttt	gkcaaagggt	aaaaaaagcat	atatgaaatt	aaaaatagta	tcaaagaatt	120
caactacaaa	gggcttaaca	aacttcgtaa	attggagata	tataggacat	tgtacctaacc	180
ctaataaaaa	cttaaacatt	tttagttat	gktagkcgat	tttaaccat	gttccataga	240
ggaatgttaa	caatgtctaa	aaaatcagkg	tcatacaaaa	tacgttattt	cagccaggca	300
tggcagctca	tgccggtaat	cctagtgtt	tgggaggctg	aggcaggagg	atcacttgaa	360
gccaggcaag	accatatacgk	gagactytgt	ctctgcaaaa	aaaaaaaaaa	ggcggcsc	420
cttttttttt	ttttttta					437

<210> 186

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (534)

<223> n equals a,t,g, or c

<400> 186

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gctccctc	tctccccc	tc	agcactgctg	ccatctggc	tgcatatttc	120
gggctgtcc	acattcccc	tcagaaggaa	aaagatccct	gaaaagtagc	aggtgcttac	180
atttcgtgc	tctacc	ggctgcagta	gtccccccacc	accctgcaat	gtgacaacca	240
aaaatgtctc	tagatgttc	cagaagtctt	ctagagatgg	gagggtacga	ctgccacccc	300
gctgagaatt	cctgctgtca	ctggagtggg	ggctgtttc	tctccatgc	ctctggtacc	360
ttgggggtcc	cccctgtcc	caagggctgc	ttccaccacc	ctgtccatcc	atcccgttgc	420
gctcccagga	gttttagct	ccgggcttcc	tgtctccac	accactctc	acagttctcc	480
atgattcaa	catccaggtg	ggcgcacgcag	cctctcggtt	ccttgcaccc	ctgngtgatc	540
ctgctgcttc	taccggcca	accagta	cttaggagccc	tcacaat		587

<210> 187

<211> 1706

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1424)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1665)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1688)

<223> n equals a,t,g, or c

<400> 187

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agggttggtc	tcg	cgctt	ggctgcagc	tctctgtgt	gctggcagcg	120
cctccggga	ctc	ctc	ccgtacactg	ggac	ctggaggg	180
gactcctaag	tcc	acc	ca	tc	tgcgttcc	240
tgtgcctaac	ctc	gcac	agg	ccc	ac	300
ccatggatgg	agg	atgc	ttc	atgg	cc	360
ggatgccata	tct	gggg	ccgt	ttcc	ac	420
cttccaggca	ccc	ctt	gtgg	ccat	cc	480
cctggaccgt	ttc	ttc	ccac	tc	ca	540
cctccccagc	cc	cc	act	tc	cc	600
ccaggaagaa	gc	tc	gg	agg	gg	660
tcctcaggac	cc	ct	gg	ttt	cc	720
catcgagtcc	gagg	aaa	cc	cc	aa	780
atcaaaaact	ttt	cc	cc	ttt	aa	840
tgtttccatc	gtt	tt	cc	ttt	aa	900
agcctttct	tac	tt	cc	cc	aa	960
gggcttgcgt	cat	gag	gg	cc	aa	1020
ttatcagt	gct	ggc	gg	cc	ac	1080
actacgagac	cc	ag	gg	cc	ac	1140
gcaggctgca	gac	t	ca	gg	ac	1200
ggagccctac	ct	gg	ag	at	cc	1260
ggactcacag	ag	ca	gg	tt	ac	1320
gaatctggga	gagg	cc	tt	gg	ca	1380
ccagggaggg	ct	gc	gg	cc	cc	1440
gacagttaca	gg	ac	tt	cc	ac	1500

agcaggaacc tcacgcctac cacatgcctc gagcacaggc aacctggcc tcctctgcag	1560
aagtgggcat ytcggagcca gcctggaagc ctccagcagg gctattcccc cacamccyta	1620
cccaytggaa aggagtgttk taagaytagg ttttggtyaa ggaanttcca gcgggggttt	1680
caagttncc caaggcaatt ttcaag	1706

<210> 188
<211> 1150
<212> DNA
<213> Homo sapiens

<220>
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<222> (407)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (413)
<223> n equals a,t,g, or c

<400> 188

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atctgaggac atctctgtgc caggccagaa accgcccacc tgcatgttct tctccggat	120
ggacgtgggg cccagctccc tgccccaccc tgggtctgaag ctgctgtgc tctgtctgct	180
gctccccctc agggggccaag ccaacacagg ctgctacggg atcccaggga tgcccgccct	240
gccccggggca ccaggaaagg atgggtacga cggactgccc gggcccaagg gggagccagg	300
aatcccagcc attcccgaaa tccgaggacc caaagggcag aaggagaac cggcattacc	360
cggccatcct gggaaaaatg gccccatggg accccctggg atgcanggg tgnccggccc	420
catggcakm cctggaragc cagaaattcc agtcagtgtt cacggtaact cggcagaccc	480
accagcccccc tgcacccaaac agcctgatca gattcaacgc ggtctcacc aaccgcagg	540
gagattatga cacgagact ggcaagttca cctgcaaaatg cccggccctc tactactttg	600
tctaccacgc gtcgcataca gccaacctgt gctgtctgct gtaccgcgc ggcgtcaaag	660
tggcacctt ctgtggccac acgtccaaaa ccaatcaggta caactcgggc ggtgtctgc	720
tgaggttgca gttgggcgag gaggtgtggc tggctgtcaa tgactactac gacatggtg	780
gcatccaggg ctctgacagc gtcttctccg gttcctgct cttcccgac tagggcgggc	840
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actggccagt ctgcatacctt gcctagacca ttctccctc cagggagccc accctgaccc	960
accccccactg cacccttcc ccatgggttc tctccttctt ctgaacttct ttaggagtca	1020
ctgcttgcgt gtccctggg acacttaacc aatgccttct ggtactgcca ttctttttt	1080
ttttttcaa gtatttggaaag gggggggag atatataaat aaatcatgaa atcaawaaaa	1140
aaaaaaaaaaag	1150

<210> 189
<211> 1233
<212> DNA
<213> Homo sapiens

<400> 189

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tctctgtgcc agggccagaaa ccgcccaccc gcatgttctt ctccggatg gacgtggggc	120
ccagctccct gccccacccctt gggctgaagc tgctgtctgct cctgtgtgc ctgccccctca	180
ggggccaaacg caacacaggc tgctacgggat tcccaggat gccccccctg cccggggcac	240
cagggaaagga tgggtacgac ggactgccc gggccaaagggg ggagccagga atcccagcca	300
ttcccggtt ccgaggacc cccatgggaa aagggcaga agggagaacc cggcttaccc ggcacatctg	360
ggaaaaaatgg cccatgggaa cccctgggat tgccagggtt gccccccccc atgggcatcc	420
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ctcgccagac ccaccagccc cctgcacccca acagcctgtat cagattcaac gcggcctca	540
ccaaacccgca gggagattat gacacgagca ctggcaagtt cacctgcaaa gtcccccggcc	600
tctactactt tgcataccac gcgtcgatata cagccaaacctt gtgcgtctgct ctgtaccgca	660
gcggcgtcaa agtggtcacc ttctgtggcc acacgtccaa aaccaatcag gtcaactcg	720

gcgggtgtgct gctgagggttgc	caggtggcg aggaggtgtg	gctggctgtc aatgactact	780
acgacatggt gggcatccag	ggctctgaca gcgtcttc	cggcttcctg ctcttcccg	840
actagggcgg gcagatgcgc	tcgagccccca cgggccttcc	acctccctca gcttcctgca	900
tggaccacc ttactggcca	gtctgcattcc ttgcctagac	cattccccc accagatgga	960
cttcttcctcc agggagccca	ccctgacccttcc	ccccccactgc accccctccc	1020
ctccttcctc tgaacttctt	taggagtac	tgcttgtgtg gttcctggaa	1080
atgccttctg gtactgcatt	tcttttttttca	cacttaacca agtattggaa	1140
gatataaaa taaatcatga	aatcaataca	gggggtgggaa aaaaaaaaaaa	1200
aaaaaaaaaa aaaaaaaaaaa	aaaaaggcg	gcc	1233

<210> 190

<211> 633

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

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<221> SITE

<222> (7)

<223> n equals a,t,g, or c

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<221> SITE

<222> (11)

<223> n equals a,t,g, or c

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<221> SITE

<222> (596)

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<400> 190

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cagagcagcc	aggctggaca	gacggcctcc	ctcctctcca	tctgaccggc	acctgctgt	180
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gaaacaaga	cttc	cgt	ccccc	tccaccatgg	ttatctgggt	480
attggggat	gaaacttt	gggg	gagtgc	ttttaaaga	gacacttata	540
ctgcactact	gtcc	attgtgt	ggatgattaa	acatggattt	taactgtgc	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnaaaaaa	aaa			633

<210> 191

<211> 705

<212> DNA

<213> Homo sapiens

<400> 191

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cgcggagcc	tgcagagagg	acagccggcc	tgcgcggga	catgcggccc	caggagctcc	120
ccaggtcgc	gttcccgtt	ctgctgttgc	tgttgctgt	gctgccgcg	ccgccgtgcc	180
ctgcccacag	cgccacgcgc	ttcgacccca	cctggagtc	cctggacgccc	cgccagctgc	240
ccgcgtggtt	tgaccaggcc	aagttcggca	tcttcatcca	ctggggagtg	tttccgtgc	300
ccagcttcgg	tagcgagtgg	ttctggctt	accttgtgg	ggtcagaata	ttcgtggAAC	360
tggaatgcca	tagatgaggg	gccaagagg	gacattgtca	aggaacttga	ggtagccatt	420
aggaacagaa	ctgacctgcg	ttttggactg	tactattccc	ttttgaatg	tttccatccg	480
ctcttccttgc	aggatgaatc	cagttcattc	cataagcggc	aatttccagt	ttctaagaca	540
ttgccagagc	tctatgatgtt	agtgaacaac	tatcagccgt	aggttctgtg	gtcggatgg	600
gacggaggag	aaccgatcat	actggAACAG	cacaggcttc	ttggcctgg	tatataatga	660
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<210> 192

<211> 2901

<212> DNA

<213> Homo sapiens

<400> 192

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ctgcacgtcg	accctgaccc	gtacacactc	ttgtttggag	agagtgtgtt	aatgtatgca	180
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gcacattata	cctacaacaa	tctgtcttcg	gattccaaaa	taagaactaa	acagttgttt	540
gaatttatga	acttttggc	ggagaacgtc	atcttctgtt	acatggcct	ggcactgttc	600
acgttccaga	atcatatctt	taatgctt	tttatacttg	gagccttct	agcaatttt	660
gttgcagag	cctgcaacat	atatcccctc	tccttcctcc	tgaatctagg	ccgaaaaacag	720
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gaggacttga	ctcccattt	ctctcagtga	ccccaggc	gagcccagag	aagtgttccg	1920
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ggcattcc	ttatgctact	tctccatcg	ctcaaagggg	ttgcctatgg	ctgggtgtgc	2040
cctgcctaa	atgcagcacc	acttcaagc	ttagtagac	cattccaaga	aaaccagg	2100
tcttc	ataccacgtt	gtgcctgaag	aacaaggctt	cccgtcctt	cctgcatgt	2160
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<210> 193

<211> 611

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (611)

<223> n equals a,t,g, or c

<400> 193

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gtatttac	aagg	agg	ttt	taaaattt	actgt	act	180
ccattgktat	ttct	ataact	at	aaaattt	gtt	ttt	240
agatgtgt	ttt	ataa	ttt	ttttaa	ttt	ttt	300
ttgatttac	gtgat	ttt	ttt	ttt	ttt	ttt	360
catatgt	ttt	ttt	ttt	ttt	ttt	ttt	420
gttttctac	ttt	ccatt	ttt	tact	ctg	kg	480
aatttggkg	awgg	ggc	arg	tct	tgct	act	540
ggsttamcaa	agc	ctgr	c	tca	agg	tta	600
ggcc	tac	gg	g	gct	atc	tcc	ccc
							611

<210> 194

<211> 3111

<212> DNA

<213> Homo sapiens

<400> 194

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gcctctgcgg	ccaggaagcc	tgacactagg	caccccccag	gcgagagcta	gtgggggtgca	180
gagggcccca	tgccagacag	cccttgggc	tcgttgcamt	ttaagaaata	ggatytgtgg	240
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ccgcctgcag	tggttggaga	cgggagtggc	ccttcggcgtc	ccgagctccc	tctggggacg	360
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gactgagggt	ttttgtttt	ttaaaatcat	gtatttgc	caaagtattt	3000	
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<210> 195

<211> 490

<212> DNA

<213> Homo sapiens

<400> 195

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cagggtggaa	gccacactcc	ctcccctcag	catggaggtg	ggcgtgtgcg	240
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cctggacgca	gatgaccagc	cccagttgct	gccctggatt	cggccccagc	360
tgagcggcgg	taccgagagg	ccagtgcag	aaagaagatc	cgcctggaca	420
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gtacctgagc					490

<210> 196

<211> 1527

<212> DNA

<213> Homo sapiens

<400> 196

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gcgggcgctg	gggtgcccac	agggaggggca	cgtagtcgt	tgccctccac	180
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gcgcgcgtccc	ccaccgggtg	ctggggccct	gttactgggc	agggacgtg	300
aggcggcttc	ccgcagggtc	tgggtgttag	ccgatggcat	gctgcactca	360
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gggtccccga	ggggatacag	ggccgtgcag	cctctgcct	gagggttgc	660
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caccccccac	ctggggctcg	gttctccat	ctccacaccc	ccttgggggg	960
cccctgcccc	ttcgatcgc	ggaggcagt	cctggccggg	gtcgccaggca	1020
cagctccctca	ctcctcacc	actcacatcc	agtccgttt	cctgtcaccc	1080
acctgcacgc	agtggctcac	agcagcacga	tttgcacag	ccaggatgag	1140
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ccacaaggag	gtgcgacgtc	tgaccaggc	cacagtgcgg	aggatgtcac	1260
gctcagttag	agacaccaga	cacagaaggg	tacgctgtga	tcccacttct	1320
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<210> 197

<211> 3746

<212> DNA

<213> Homo sapiens

<400> 197

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ctccccggc	gcggggctgc	tgctgctgt	gggcccagggt	gcccacgggc	180
gctcgtggc	tacgaggccg	accgcgcgc	cagctgcgtc	gcccgtacg	240
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ctgcctggc	tgtggggccg	ccacgcccga	gtgggctgtc	ctccctact	360
catcgatc	ttccagttt	gctgggcctc	cacacagatc	tcccacctca	420
ggagctcg	accaacgacc	atgagaaggt	ggagctcacg	gcactcaggt	480
cgtggggcc	aacatcaccc	tctacggcgc	cgcctggctc	ctgctgcacc	540
gtcgcgggtg	gagcccaccc	aagacatcag	catcagcgcac	cagctggggg	600

gcccgtgttc	cggAACCTGT	ccctgctgg	gggggtgtc	ggcgccgtgt	tctca	tgtct	660
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ccccctgtt	gccc	gttgc	ccgc	ccagcc	cctg	ctgtc	780
gcccgtttc	tacc	agggtgg	gcata	ctgt	gac	aggctcatcg	840
ccagac	ctac	atggccatgt	ac	ctc	ccac	ctgccc	900
gaccatt	ccc	ctgg	tgatgt	ac	ctc	aggcg	960
caaca	agt	tc	ttgg	gag	at	atgc	1020
tgcc	cc	gttgc	gttgc	gggg	gg	gttac	1080
gct	ggg	gttgc	gttgc	gggg	gg	gttac	1140
cggt	cccc	ac	ac	ac	ac	atg	1200
ggcca	aat	ctgg	cagt	tg	ccat	ggc	1260
ctgc	agg	tg	cg	gttgc	atg	gttct	1320
cgt	ggc	cc	gttgc	gttgc	ggc	atgc	1380
ccg	agg	gg	aa	ac	cc	atc	1440
gtg	ctgg	aa	gag	act	ac	ag	1500
atgc	ac	ttt	acc	act	gttgc	ggc	1560
tccc	actt	atg	aaat	gttgc	cagg	ac	1620
ggt	gcc	ctgg	gggg	ggac	ctgt	gggt	1680
gcct	ctt	tgat	gaga	at	ttgc	ggat	1740
gtact	gaac	ccac	cttca	gttgc	atgc	ggc	1800
caaa	acaaa	ccaaaa	aaaa	aaaa	atcc	atcc	1860
tcct	ctgg	gg	ggcc	ggcc	ttgg	gggg	1920
tgcc	ctgt	gg	gggg	ggac	cttgc	gggt	1980
agct	ccact	cct	gggg	gttgc	atc	tttacc	2040
ccct	gcct	ct	cc	cc	cc	atc	2100
cctt	gc	gt	gt	cc	cc	atc	2160
ctgaa	atg	cc	gg	gg	cc	cc	2220
cccc	acc	tt	gg	gg	cc	cc	2280
tccc	cat	tc	tt	cc	cc	atc	2340
gat	gggg	cc	cc	cc	cc	atc	2400
aaacc	ac	tt	cc	cc	cc	atc	2460
cccc	cc	cc	cc	cc	cc	atc	2520
acccc	gg	cc	cc	cc	cc	atc	2580
aga	ac	cc	cc	cc	cc	atc	2640
ccagg	at	ttt	cc	cc	cc	atc	2700
atct	ggg	cc	cc	cc	cc	atc	2760
tcgt	tc	gt	gg	gg	cc	cc	2820
cccc	gt	cc	cc	cc	cc	atc	2880
gtc	ct	cc	cc	cc	cc	atc	2940
ggac	cc	cc	cc	cc	cc	atc	3000
gccc	ct	cc	cc	cc	cc	atc	3060
gcac	cc	cc	cc	cc	cc	atc	3120
tcct	gg	cc	cc	cc	cc	atc	3180
cgg	cc	cc	cc	cc	cc	atc	3240
ctg	cc	cc	cc	cc	cc	atc	3300
gag	cc	cc	cc	cc	cc	atc	3360
gcgt	cc	cc	cc	cc	cc	atc	3420
gcat	ggg	cc	cc	cc	cc	atc	3480
ccc	agg	cc	cc	cc	cc	atc	3540
ctg	ac	cc	cc	cc	cc	atc	3600
aagg	cgg	cc	cc	cc	cc	atc	3660
gcgt	ggg	cc	cc	cc	cc	atc	3720
ctaa	at	ttt	cc	cc	cc	atc	3746

<210> 198

<211> 91

<212> PRT

<213> Homo sapiens

<400> 198

Met	Val	Leu	Arg	Gly	Trp	Gly	Leu	Ala	Trp	Ser	Leu	Ser	Pro	Val	Val
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Cys	Gly	Tyr	Ser	Gly	Asp	Met	Lys	Gly	Val	Cys	Trp	Gly	Arg	Ser	Asp
					20				25					30	
His	Ser	Leu	Leu	Pro	Ser	Glu	Ile	Leu	Leu	Pro	Pro	Ala	Pro	Cys	Pro
						35				40				45	
Ser	Ser	Ala	Val	Leu	His	Asn	Pro	Pro	Pro	Thr	Pro	His	Leu	Pro	Ser
					50					55				60	
Pro	Val	Leu	Val	Arg	Ile	Gln	Glu	Ala	Pro	Thr	Trp	Ala	Gln	Arg	Ser
					65				70				75		80
Ser	Leu	Gly	Ala	Ser	Pro	Leu	His	Lys	Gly	Asp					
					85				90						

<210> 199
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 199															
Met	Ser	Cys	Thr	Leu	Leu	Ile	Cys	Thr	Val	Val	Leu	Gly	Val	Thr	Thr
1				5					10					15	
Pro	Ala	Ile	Gly	Pro	Ala	Ala	Pro	Ser	Leu	Leu	Ala	Thr	Pro	Pro	Gln
					20				25					30	
Ala	Ala	Ala	Ala	Thr	Met	Gln	Pro	Arg	Leu	Gly	Arg	Ala	Ala	Gly	Ala
					35				40					45	

Ala

<210> 200
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 200															
Met	Val	Pro	Cys	Arg	Lys	Thr	Leu	Leu	Phe	Leu	Trp	Val	Gly	Ser	Leu
1					5				10					15	
Cys	Arg	Asp	Val	Gly	Ser	Trp	Ser	Gly	Trp	Pro	Phe	Gly	Leu	Ser	Thr
					20				25				30		
Ala	Thr	Gln	Pro	Arg	Leu	Arg	Leu	Gly	Lys	Gln	Thr	Gly	Ala	Gly	Gln
					35				40				45		
Ala	Arg	Arg	Ala	Cys	Arg	Thr	Val	Ile	Leu	Arg	Cys	Gly	Ser	Cys	Cys
					50				55				60		
Arg	Gly	Arg	Arg	Thr	Gly	Ser	Val	Val	Ala	Trp	Ser	Ser	Leu	Pro	Gln
					65				70				75		80

Arg Thr Ser Ala Ala Glu Leu Arg Trp Arg Pro Trp Gly Pro Val
85 90 95

<210> 201
<211> 175
<212> PRT
<213> Homo sapiens

<400> 201
Met Ala Thr Pro Ser Gly Leu Gly Ala Leu Leu Leu Leu Leu Leu
1 5 10 15

Pro Thr Ser Gly Gln Glu Lys Pro Thr Glu Gly Pro Arg Asn Thr Cys
20 25 30

Leu Gly Ser Asn Asn Met Tyr Asp Ile Phe Asn Leu Asn Asp Lys Ala
35 40 45

Leu Cys Phe Thr Lys Cys Arg Gln Ser Gly Ser Asp Ser Cys Asn Val
50 55 60

Glu Asn Leu Gln Arg Tyr Trp Leu Asn Tyr Glu Ala His Leu Met Lys
65 70 75 80

Glu Gly Leu Thr Gln Lys Val Asn Thr Pro Phe Leu Lys Ala Leu Val
85 90 95

Gln Asn Leu Ser Thr Asn Thr Ala Glu Asp Phe Tyr Phe Ser Leu Glu
100 105 110

Pro Ser Gln Val Pro Arg Gln Val Met Lys Asp Glu Asp Lys Pro Pro
115 120 125

Asp Arg Val Arg Leu Pro Lys Ser Leu Phe Arg Ser Leu Pro Gly Asn
130 135 140

Arg Ser Val Val Arg Leu Ala Val Thr Ile Leu Asp Ile Gly Pro Gly
145 150 155 160

Thr Leu Phe Lys Val Arg Thr Gln Gly Ser Ser Lys Val Lys Cys
165 170 175

<210> 202
<211> 126
<212> PRT
<213> Homo sapiens

<400> 202
Met Ala Ala Phe Ala Thr Ala His Leu Leu Tyr Val Trp Ala Phe Gly
1 5 10 15

Phe Ser Pro Leu Gln Pro Gly Leu Leu Leu Ile Ile Leu Ala Pro
20 25 30

Gly Pro Tyr Leu Ser Leu Val Leu Gln His Leu Glu Pro Asp Met Val

35

40

45

Leu Pro Val Ala Ala Tyr Gly Leu Ile Leu Met Ala Met Leu Trp Arg
 50 55 60

Gly Leu Ala Gln Gly Gly Ser Ala Gly Trp Gly Ala Leu Leu Phe Thr
 65 70 75 80

Leu Ser Asp Gly Val Leu Ala Trp Asp Thr Phe Ala Gln Pro Leu Pro
 85 90 95

His Ala His Leu Val Ile Met Thr Thr Tyr Tyr Ala Ala Gln Leu Leu
 100 105 110

Ile Thr Leu Ser Ala Leu Arg Ser Pro Val Pro Lys Thr Asp
 115 120 125

<210> 203

<211> 187

<212> PRT

<213> Homo sapiens

<400> 203

Met Trp Cys Ala Ser Pro Val Ala Val Val Ala Phe Cys Ala Gly Leu
 1 5 10 15

Leu Val Ser His Pro Val Leu Thr Gln Gly Gln Glu Ala Gly Gly Arg
 20 25 30

Pro Gly Ala Asp Cys Glu Val Cys Lys Glu Phe Leu Asn Arg Phe Tyr
 35 40 45

Lys Ser Leu Ile Asp Arg Gly Val Asn Phe Ser Leu Asp Thr Ile Glu
 50 55 60

Lys Glu Leu Ile Ser Phe Cys Leu Asp Thr Lys Gly Lys Glu Asn Arg
 65 70 75 80

Leu Cys Tyr Tyr Leu Gly Ala Thr Lys Asp Ala Ala Thr Lys Ile Leu
 85 90 95

Ser Glu Val Thr Arg Pro Met Ser Val His Met Pro Ala Met Lys Ile
 100 105 110

Cys Glu Lys Leu Lys Lys Leu Asp Ser Gln Ile Cys Glu Leu Lys Tyr
 115 120 125

Glu Lys Thr Leu Asp Leu Ala Ser Val Asp Leu Arg Lys Met Arg Val
 130 135 140

Ala Glu Leu Lys Gln Ile Leu His Ser Trp Gly Glu Glu Cys Arg Ala
 145 150 155 160

Cys Ala Glu Lys Thr Asp Tyr Val Asn Leu Ile Gln Glu Leu Ala Pro
 165 170 175

Lys Tyr Ala Ala Thr His Pro Lys Thr Glu Leu
 180 185

<210> 204
<211> 38
<212> PRT
<213> Homo sapiens

<400> 204
Met Thr Trp Gly Thr Lys Ala Thr Trp Tyr Leu Ala Ser Ser Ser Ser
1 5 10 15

Cys Gly Ser Tyr Cys Pro Pro Pro Cys Trp Trp Ala Ser Ser Gly Cys
20 25 30

Thr Gly Pro His Arg Thr
35

<210> 205
<211> 163
<212> PRT
<213> Homo sapiens

<400> 205
Met Gly Gly Met Ile Ile Val Leu Leu Ile Cys Ile Val Trp Phe Pro
1 5 10 15

Leu Leu Phe Met Ser Leu Ile Lys Ser Val Ala Gly Val Ile Asn Gln
20 25 30

Pro Leu Asp Val Ser Val Thr Ile Thr Leu Gly Gly Tyr Gln Pro Ile
35 40 45

Phe Thr Met Ser Ala Gln Gln Ser Gln Leu Lys Ile Met Asp Gln Gln
50 55 60

Ser Phe Asn Lys Phe Ile Gln Ala Phe Ser Arg Asp Thr Gly Ala Met
65 70 75 80

Gln Phe Leu Glu Asn Tyr Glu Lys Glu Asp Ile Thr Val Ala Glu Leu
85 90 95

Glu Gly Asn Ser Asn Ser Leu Trp Thr Ile Ser Pro Pro Ser Lys Gln
100 105 110

Lys Met Ile His Glu Leu Leu Asp Pro Asn Ser Ser Phe Ser Val Val
115 120 125

Phe Ser Trp Ser Ile Gln Arg Asn Leu Ser Leu Gly Ala Lys Ser Glu
130 135 140

Ile Ala Thr Asp Lys Leu Ser Phe Pro Leu Lys Asn Ile Asn Ser Lys
145 150 155 160

Glu Tyr Arg

<210> 206
<211> 369
<212> PRT
<213> Homo sapiens

<400> 206
Met Ala Phe Lys Leu Leu Ile Leu Ile Gly Thr Trp Ala Leu Phe
1 5 10 15
Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala
20 25 30
Leu Leu Leu Val Leu Ile Phe Leu Phe Val Val Ser Tyr Trp Leu Phe
35 40 45
Tyr Gly Val Arg Ile Leu Asp Ser Arg Asp Arg Asn Tyr Gln Gly Ile
50 55 60
Val Gln Tyr Ala Val Ser Leu Val Asp Ala Leu Leu Phe Ile His Tyr
65 70 75 80
Leu Ala Ile Val Leu Leu Glu Leu Arg Gln Leu Gln Pro Met Phe Thr
85 90 95
Leu Gln Val Val Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu
100 105 110
Gly His Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu Asn Tyr
115 120 125
Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn Leu Leu Thr Ala Ser Lys
130 135 140
Phe Arg Ala Ala Lys His Met Ala Gly Leu Lys Val Tyr Asn Val Asp
145 150 155 160
Gly Pro Ser Asn Asn Ala Thr Gly Gln Ser Arg Ala Met Ile Ala Ala
165 170 175
Ala Ala Arg Arg Asp Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu
180 185 190
Ala Glu His Glu Arg Arg Val Lys Lys Arg Lys Ala Arg Leu Val Val
195 200 205
Ala Val Glu Glu Ala Phe Ile His Ile Gln Arg Leu Gln Ala Glu Glu
210 215 220
Gln Gln Lys Ala Pro Gly Glu Val Met Asp Pro Arg Glu Ala Ala Gln
225 230 235 240
Ala Ile Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile
245 250 255
Thr Arg Gln Gln Asn Tyr His Ser Met Glu Ser Ile Leu Gln His Leu
260 265 270
Ala Phe Cys Ile Thr Asn Gly Met Thr Pro Lys Ala Phe Leu Glu Arg
275 280 285

Tyr Leu Ser Ala Gly Pro Thr Leu Gln Tyr Asp Lys Asp Arg Trp Leu
290 295 300
Ser Thr Gln Trp Arg Leu Val Ser Asp Glu Ala Val Thr Asn Gly Leu
305 310 315 320
Arg Asp Gly Ile Val Phe Val Leu Lys Cys Leu Asp Phe Ser Leu Val
325 330 335
Val Asn Val Lys Lys Ile Pro Phe Ile Ile Leu Ser Glu Glu Phe Ile
340 345 350
Asp Pro Lys Ser His Lys Phe Val Leu Arg Leu Gln Ser Glu Thr Ser
355 360 365
Val

<210> 207
<211> 85
<212> PRT
<213> Homo sapiens

<400> 207
Met Asp Thr Tyr Phe Ile Leu Trp Ala Ile Pro Val Thr Ile Ile Ile
1 5 10 15

Cys Phe Ser Trp Leu Glu Tyr Ser Gln Thr Trp Ala Leu Gly Ala Ser
20 25 30

Cys Ser Leu Pro Gln Cys Pro Phe Asp Val Met Leu Ser Leu Phe Leu
35 40 45

Val His Pro Tyr Phe Pro Thr Val Trp Asp His Leu Cys Phe Pro His
50 55 60

Pro Ser Pro Glu Ser Ser Pro Phe Ser Lys Cys Ser Leu Val Ala Trp
65 70 75 80

Leu Glu Asn Gly Ala
85

<210> 208
<211> 172
<212> PRT
<213> Homo sapiens

<400> 208
Met His Gly Ala Arg Leu Phe Val Cys Leu Phe Val Cys Phe Arg Gln
1 5 10 15

Ser Cys Tyr Val Ala Gln Ala Gly Val Gln Trp His Asn His Ser Ser
20 25 30

Leu Gln Pro Leu Ser Pro Gly Phe Lys Arg Phe Phe Cys Leu Asn Leu

35

40

45

Pro Ser Ser Trp Asp Tyr Arg His Met Ala Thr Cys Pro Trp Leu Ile
 50 55 60

Phe Val Phe Leu Val Glu Met Glu Phe Arg His Val Gly Gln Ala Gly
 65 70 75 80

Leu Gly Leu Leu Thr Ser Ser Asp Leu Pro Ala Leu Ala Phe Gln Ser
 85 90 95

Ala Gly Ile Thr Gly Leu Ser His His Ala Trp Pro Gly Arg Phe Leu
 100 105 110

Lys Lys Val Ile Glu Ile Cys Ser Cys Pro Val Pro Arg Gly Ser His
 115 120 125

Ala Gly Leu Phe Ser Ala Pro Gly Leu Pro Cys Glu Ser Gly Gly Ala
 130 135 140

Ala Val Leu Leu Gln Glu Gly Gln Thr Pro Val Gln Glu Ala Arg Thr
 145 150 155 160

His His Gln Leu Val Gly Gly Gln Gly Arg Leu Cys
 165 170

<210> 209

<211> 829

<212> PRT

<213> Homo sapiens

<400> 209

Met Ala Pro Ala Gly Cys Cys Cys Cys Cys Cys Phe Trp Gly Gly Ala
 1 5 10 15

Val Ala Ala Ala Gly Ala Ala Arg Arg Val Leu Leu Leu Leu Leu
 20 25 30

Gly Val Leu Ser Ala Arg Leu Arg Pro Gly Ala Leu Ala Thr Glu His
 35 40 45

Tyr Ser Pro Leu Ala Leu Leu Lys Gln Glu Leu Gln His Arg Gln Gln
 50 55 60

Gln Glu Ala Pro Ala Gly Gly Gly Cys Ser Pro Gln Ser Gly Asp
 65 70 75 80

Trp Gly Asp Gln Tyr Ser Ala Glu Cys Gly Glu Ser Ser Phe Leu Asn
 85 90 95

Phe His Asp Ser Asp Cys Glu Pro Lys Gly Ser Ser Pro Cys Asp Ser
 100 105 110

Leu Leu Ser Leu Asn Thr Glu Lys Ile Leu Ser Gln Ala Lys Ser Ile
 115 120 125

Ala Glu Gln Lys Arg Phe Pro Phe Ala Thr Asp Asn Asp Ser Thr Asn
 130 135 140

Glu Glu Leu Ala Ile Ala Tyr Val Leu Ile Gly Ser Gly Leu Tyr Asp
 145 150 155 160
 Glu Ala Ile Arg His Phe Ser Thr Met Leu Gln Glu Glu Pro Asp Leu
 165 170 175
 Val Ser Ala Ile Tyr Gly Arg Gly Ile Ala Tyr Gly Lys Lys Gly Leu
 180 185 190
 His Ile Leu Ser Pro Leu Gly Arg Ile Asn Glu Ala Val Asn Asp Leu
 195 200 205
 Thr Lys Ala Ile Gln Leu Gln Pro Ser Ala Arg Leu Tyr Arg His Arg
 210 215 220
 Gly Thr Leu Tyr Phe Ile Ser Glu Asp Tyr Ala Thr Ala His Glu Asp
 225 230 235 240
 Phe Gln Gln Ser Leu Glu Leu Asn Lys Asn Gln Pro Ile Ala Met Leu
 245 250 255
 Tyr Lys Gly Leu Thr Phe Phe His Arg Gly Leu Leu Lys Glu Ala Ile
 260 265 270
 Glu Ser Phe Lys Glu Ala Leu Lys Gln Lys Val Asp Phe Ile Asp Ala
 275 280 285
 Tyr Lys Ser Leu Gly Gln Ala Tyr Arg Glu Leu Gly Asn Phe Glu Ala
 290 295 300
 Ala Thr Glu Ser Phe Gln Lys Ala Leu Leu Asn Gln Asn His Val
 305 310 315 320
 Gln Thr Leu Gln Leu Arg Gly Met Met Leu Tyr His His Gly Ser Leu
 325 330 335
 Gln Glu Ala Leu Lys Asn Phe Lys Arg Cys Leu Gln Leu Glu Pro Tyr
 340 345 350
 Asn Glu Val Cys Gln Tyr Met Lys Gly Leu Ser His Val Ala Met Gly
 355 360 365
 Gln Phe Tyr Glu Gly Ile Lys Ala Gln Thr Lys Val Met Leu Asn Asp
 370 375 380
 Pro Leu Pro Gly Gln Lys Ala Ser Pro Glu Tyr Leu Lys Val Lys Tyr
 385 390 395 400
 Leu Arg Glu Tyr Ser Arg Tyr Leu His Ala His Leu Asp Thr Pro Leu
 405 410 415
 Thr Glu Tyr Asn Ile Asp Val Asp Leu Pro Gly Ser Phe Lys Asp His
 420 425 430
 Trp Ala Lys Asn Leu Pro Phe Leu Ile Glu Asp Tyr Glu Glu Gln Pro
 435 440 445
 Gly Leu Gln Pro His Ile Lys Asp Val Leu His Gln Asn Phe Glu Ser
 450 455 460

Tyr Lys Pro Glu Val Gln Glu Leu Ile Cys Val Ala Asp Arg Leu Gly
 465 470 475 480
 Ser Leu Met Gln Tyr Glu Thr Pro Gly Phe Leu Pro Asn Lys Arg Ile
 485 490 495
 His Arg Ala Met Gly Leu Ala Ala Leu Glu Val Met Gln Ala Val Gln
 500 505 510
 Arg Thr Trp Thr Asn Ser Lys Val Arg Met Asn Gly Lys Thr Arg Leu
 515 520 525
 Met Gln Trp Arg Asp Met Phe Asp Ile Ala Val Lys Trp Arg Arg Ile
 530 535 540
 Ala Asp Pro Asp Gln Pro Val Leu Trp Leu Asp Gln Met Pro Ala Arg
 545 550 555 560
 Ser Leu Ser Arg Gly Phe Asn Asn His Ile Asn Leu Ile Arg Gly Gln
 565 570 575
 Val Ile Asn Met Arg Tyr Leu Glu Tyr Phe Glu Lys Ile Leu His Phe
 580 585 590
 Ile Lys Asp Arg Ile Leu Val Tyr His Gly Ala Asn Asn Pro Lys Gly
 595 600 605
 Leu Leu Glu Val Arg Glu Ala Leu Glu Lys Val His Lys Val Glu Asp
 610 615 620
 Leu Leu Pro Ile Met Lys Gln Phe Asn Thr Lys Thr Lys Asp Gly Phe
 625 630 635 640
 Thr Val Asn Thr Lys Val Pro Ser Leu Lys Asp Gln Gly Lys Glu Tyr
 645 650 655
 Asp Gly Phe Thr Ile Thr Ile Thr Gly Asp Lys Val Gly Asn Ile Leu
 660 665 670
 Phe Ser Val Glu Thr Gln Thr Thr Glu Glu Arg Thr Gln Leu Tyr His
 675 680 685
 Ala Glu Ile Asp Ala Leu Tyr Lys Asp Leu Thr Ala Lys Gly Lys Val
 690 695 700
 Leu Ile Leu Ser Ser Glu Phe Gly Glu Ala Asp Ala Val Cys Asn Leu
 705 710 715 720
 Ile Leu Ser Leu Val Tyr Tyr Phe Tyr Asn Leu Met Pro Leu Ser Arg
 725 730 735
 Gly Ser Ser Val Ile Ala Tyr Ser Val Ile Val Gly Ala Leu Met Ala
 740 745 750
 Ser Gly Lys Glu Val Ala Gly Lys Ile Pro Lys Gly Lys Leu Val Asp
 755 760 765
 Phe Glu Ala Met Thr Ala Pro Gly Ser Glu Ala Phe Ser Lys Val Ala
 770 775 780

Lys Ser Trp Met Asn Leu Lys Ser Ile Ser Pro Ser Tyr Lys Thr Leu
785 790 795 800

Pro Ser Val Ser Glu Thr Phe Pro Thr Leu Arg Ser Met Ile Glu Val
805 810 815

Leu Asn Thr Asp Ser Ser Pro Arg Cys Leu Lys Lys Leu
820 825

<210> 210

<211> 108

<212> PRT

<213> Homo sapiens

<400> 210

Met Thr Ser Gln Asn Leu Trp Val Ile Val Val Ile Ala Asn Ser Ile
1 5 10 15

Leu Val Ile Val Ala Gln Tyr Arg Asp Glu Gly Asn Arg Phe Cys Asn
20 25 30

Gln Met Ile Leu Gly Ser Glu Ser Thr Leu Pro Leu Thr Ser Tyr Met
35 40 45

Thr Ser Ser Asn Phe His His Leu Ser Met Leu Gln Phe Pro His Arg
50 55 60

Gln Asp Gly Cys Gly Gly Arg Gly Thr Thr Val Gln Ile His His Pro
65 70 75 80

Lys Phe Lys Met Leu Gln Asn Leu Gly Arg Ala Trp Trp Leu Ile Pro
85 90 95

Val Ile Pro Ala Leu Trp Glu Val Lys Val Asp Gly
100 105

<210> 211

<211> 153

<212> PRT

<213> Homo sapiens

<400> 211

Met Met Trp Leu Leu Leu Thr Thr Thr Cys Leu Ile Cys Gly Thr Leu
1 5 10 15

Asn Ala Gly Gly Phe Leu Asp Leu Glu Asn Glu Val Asn Pro Glu Val
20 25 30

Trp Met Asn Thr Ser Glu Ile Ile Tyr Asn Gly Tyr Pro Ser Glu
35 40 45

Glu Tyr Glu Val Thr Thr Glu Asp Gly Tyr Ile Leu Leu Val Asn Arg
50 55 60

Ile Pro Tyr Gly Arg Thr His Ala Arg Ser Thr Gly Pro Arg Pro Val

65

70

75

80

Val Tyr Met Gln His Ala Leu Phe Ala Asp Asn Ala Tyr Trp Leu Glu
 85 90 95

Asn Tyr Ala Asn Gly Ser Leu Gly Phe Leu Leu Ala Asp Ala Gly Tyr
 100 105 110

Asp Val Trp Met Gly Asn Ser Arg Gly Asn Thr Trp Ser Arg Arg His
 115 120 125

Lys Thr Leu Ser Glu Thr Asp Glu Lys Phe Trp Ala Phe Ser Phe Asp
 130 135 140

Glu Met Ala Asn Met Ile Ser Gln Glu
 145 150

<210> 212

<211> 87

<212> PRT

<213> Homo sapiens

<400> 212

Met Arg Phe Ile Trp Leu Met Phe Leu Gln Ala Val Gln Ala Ser Gly
 1 5 10 15

Lys Gly Leu Arg Lys Leu Pro His Thr Val Glu Asp Glu Gly Glu Pro
 20 25 30

Glu Cys Ala Asp Tyr Met Val Arg Glu Trp Lys Gln Glu Arg Gly Ala
 35 40 45

Gly Gly Ala Arg Ile Phe Ser Thr Ile Ser Ser Trp Met Ser Thr Val
 50 55 60

Ala His Ala Cys Asn Pro Ser Thr Leu Gly Ala Gln Asp Gly Arg Ile
 65 70 75 80

Thr Ser Ala Gln Glu Phe Asn
 85

<210> 213

<211> 90

<212> PRT

<213> Homo sapiens

<400> 213

Met Asp Arg Arg Arg Met Ala Leu Arg Pro Gly Ser Arg Arg Pro Thr
 1 5 10 15

Ala Phe Phe Phe His Ser Arg Trp Leu Val Pro Asn Leu Leu Ala Phe
 20 25 30

Phe Leu Gly Leu Ser Gly Ala Gly Pro Ile His Leu Pro Met Pro Trp
 35 40 45

Pro	Asn	Gly	Arg	Arg	His	Arg	Val	Leu	Asp	Pro	His	Thr	Gln	Leu	Ser
50					55					60					
Thr	His	Glu	Ala	Pro	Gly	Arg	Trp	Lys	Pro	Val	Ala	Pro	Arg	Arg	Met
65					70			75							80
Lys	Ala	Cys	Pro	Gln	Val	Leu	Leu	Glu	Trp						
					85			90							

<210> 214
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400>	214														
Met	Met	Ser	Ile	His	Cys	Val	Gln	Pro	Leu	Leu	Pro	Leu	Phe	Leu	Pro
1					5				10						15

Ser	Ser	Tyr	Phe	Lys	Gln	Phe	Leu	Leu	Leu	Pro	Trp	Thr	Phe	Gly	Val
							20		25						30

Ala Leu

<210> 215
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400>	215														
Met	Phe	Leu	Leu	Phe	Leu	Leu	Thr	Cys	Glu	Leu	Ala	Ala	Glu	Val	Ala
1					5				10						15

Ala	Glu	Val	Glu	Lys	Ser	Ser	Asp	Gly	Pro	Gly	Ala	Ala	Gln	Glu	Pro
					20			25							30

Thr	Trp	Leu	Thr	Asp	Val	Pro	Ala	Ala	Met	Glu	Phe	Ile	Ala	Ala	Thr
							35		40						45

Glu	Val	Ala	Val	Ile	Gly	Phe	Phe	Gln	Asp	Leu	Glu	Ile	Pro	Ala	Val
					50		55			60					

Pro	Ile	Leu	His	Ser	Met	Val	Gln	Lys	Phe	Pro	Gly	Val	Ser	Phe	Gly
	65				70			75							80

Ile	Ser	Thr	Asp	Ser	Glu	Val	Leu	Thr	His	Tyr	Asn	Ile	Thr	Gly	Asn
					85			90							95

Thr	Ile	Cys	Leu	Phe	Arg	Leu	Val	Asp	Asn	Glu	Gln	Leu	Asn	Leu	Glu
					100			105							110

Asp	Glu	Asp	Ile	Glu	Ser	Ile	Asp	Ala	Thr	Lys	Leu	Ser	Arg	Phe	Ile
			115			120				125					

Glu	Ile	Asn	Ser	Leu	His	Met	Val	Thr	Glu	Tyr	Asn	Pro	Val	Ala	Ser
					130		135			140					

Pro Glu Tyr Glu Glu Asn Met His Arg Tyr Gln Lys Ala Ala Lys Leu
 145 150 155 160
 Phe Gln Gly Lys Ile Leu Phe Ile Leu Val Asp Ser Gly Met Lys Glu
 165 170 175
 Asn Gly Lys Val Ile Ser Phe Phe Lys Leu Lys Glu Ser Gln Leu Pro
 180 185 190
 Ala Leu Ala Ile Tyr Gln Thr Leu Asp Asp Glu Trp Asp Thr Leu Pro
 195 200 205
 Thr Ala Glu Val Ser Val Glu His Val Gln Asn Phe Cys Asp Gly Phe
 210 215 220
 Leu Ser Gly Lys Leu Leu Lys Glu Asn Arg Glu Ser Glu Gly Lys Thr
 225 230 235 240
 Pro Lys Val Glu Leu
 245

<210> 216
 <211> 459
 <212> PRT
 <213> Homo sapiens

<400> 216
 Met Phe Pro Leu His Leu Ala Val Leu Phe Gly Phe Ser Asp Cys Cys
 1 5 10 15
 Arg Lys Leu Leu Ser Ser Gly Gln Leu Tyr Ser Ile Val Ser Ser Leu
 20 25 30
 Ser Asn Glu His Val Leu Ser Ala Gly Phe Asp Ile Asn Thr Pro Asp
 35 40 45
 Asn Leu Gly Arg Thr Cys Leu His Ala Ala Ala Ser Gly Gly Asn Val
 50 55 60
 Glu Cys Leu Asn Leu Leu Ser Ser Gly Ala Asp Leu Arg Arg Arg
 65 70 75 80
 Asp Lys Phe Gly Arg Thr Pro Leu His Tyr Ala Ala Ala Asn Gly Ser
 85 90 95
 Tyr Gln Cys Ala Val Thr Leu Val Thr Ala Gly Ala Gly Val Asn Glu
 100 105 110
 Ala Asp Cys Lys Gly Cys Ser Pro Leu His Tyr Ala Ala Ala Ser Asp
 115 120 125
 Thr Tyr Arg Arg Ala Glu Pro His Thr Pro Ser Ser His Asp Ala Glu
 130 135 140
 Glu Asp Glu Pro Leu Lys Glu Ser Arg Arg Lys Glu Ala Phe Phe Cys
 145 150 155 160

Leu Glu Phe Leu Leu Asp Asn Gly Ala Asp Pro Ser Leu Arg Asp Arg
 165 170 175
 Gln Gly Tyr Thr Ala Val His Tyr Ala Ala Ala Tyr Gly Asn Arg Gln
 180 185 190
 Asn Leu Glu Leu Leu Glu Met Ser Phe Asn Cys Leu Glu Asp Val
 195 200 205
 Glu Ser Thr Ile Pro Val Ser Pro Leu His Leu Ala Ala Tyr Asn Gly
 210 215 220
 His Cys Glu Ala Leu Lys Thr Leu Ala Glu Thr Leu Val Asn Leu Asp
 225 230 235 240
 Val Arg Asp His Lys Gly Arg Thr Ala Leu Phe Leu Ala Thr Glu Arg
 245 250 255
 Gly Ser Thr Glu Cys Val Glu Val Leu Thr Ala His Gly Ala Ser Ala
 260 265 270
 Leu Ile Lys Glu Arg Lys Arg Lys Trp Thr Pro Leu His Ala Ala Ala
 275 280 285
 Ala Ser Gly His Thr Asp Ser Leu His Leu Ile Asp Ser Gly Glu
 290 295 300
 Arg Ala Asp Ile Thr Asp Val Met Asp Ala Tyr Gly Gln Thr Pro Leu
 305 310 315 320
 Met Leu Ala Ile Met Asn Gly His Val Asp Cys Val His Leu Leu Leu
 325 330 335
 Glu Lys Gly Ser Thr Ala Asp Ala Ala Asp Leu Arg Gly Arg Thr Ala
 340 345 350
 Leu His Arg Gly Ala Val Thr Gly Cys Glu Asp Cys Leu Ala Ala Leu
 355 360 365
 Leu Asp His Asp Ala Phe Val Leu Cys Arg Asp Phe Lys Gly Arg Thr
 370 375 380
 Pro Ile His Leu Ala Ser Ala Cys Gly His Thr Ala Val Leu Arg Thr
 385 390 395 400
 Tyr Ser Gly Tyr Ser Pro Met His Trp Ala Ser Tyr Thr Gly His Glu
 420 425 430
 Asp Cys Leu Glu Leu Leu Glu His Ser Pro Phe Ser Tyr Leu Glu
 435 440 445
 Gly Asn Pro Phe Thr Pro Ser Leu Cys Ser Asp
 450 455

<211> 110
<212> PRT
<213> Homo sapiens

<400> 217
Met Lys Arg Tyr Ile Ile Ser Leu Gln Ser Pro Leu Ser His Ser Ser
1 5 10 15

Met Trp Pro Ala Tyr Leu Leu Pro Ile Met Leu Leu Ile His Leu Gln
20 25 30

Ala Ile Cys His Gln Ile Lys Lys Gln Gln Thr Glu Gly Gln Ser Gln
35 40 45

Asp Val Leu Thr His His Cys Asn Phe Leu Leu Glu Met Ile Pro Phe
50 55 60

Arg Lys Arg Leu Val Glu Ile Gly Val Lys Gly Thr Leu Gln Ile Ser
65 70 75 80

Pro Val Leu Ser Tyr Phe Gln Leu Tyr Arg Gln Glu Gln Phe Lys Ser
85 90 95

Lys Glu Phe Ser Arg Phe Leu Gln Cys His Lys Ala Val Ser
100 105 110

<210> 218
<211> 107
<212> PRT
<213> Homo sapiens

<400> 218
Met Pro Pro Pro Phe Leu Arg Lys Pro Leu Ile Leu Cys Val Phe Leu
1 5 10 15

Pro Thr Glu Gly Asn Cys Gly Gly Ser Ser Leu Ala Phe Leu Leu Asn
20 25 30

Phe Ala Gly Asn Ser Pro Gln Phe Leu Ser Glu Val Arg Thr Val His
35 40 45

Tyr Gln Arg Asp Trp Thr Leu Tyr Pro Leu Ala Lys Trp Glu Lys Ile
50 55 60

Leu Pro Ala His Ser Thr Pro Pro Trp Pro Ser Pro Thr Pro His Pro
65 70 75 80

Gln Gln His Phe His Gly Asn Pro Asp Gly Arg Val Val Leu Trp Leu
85 90 95

Ser Cys Asp Arg Leu Ala Phe Ile Leu Glu Ser
100 105

<210> 219
<211> 428
<212> PRT

<213> Homo sapiens

<400> 219

Met Gly Pro Pro Pro Gly Ala Gly Val Ser Cys Arg Gly Gly Cys Gly
1 5 10 15

Phe Ser Arg Leu Leu Ala Trp Cys Phe Leu Leu Ala Leu Ser Pro Gln
20 25 30

Ala Pro Gly Ser Arg Gly Ala Glu Ala Val Trp Thr Ala Tyr Leu Asn
35 40 45

Val Ser Trp Arg Val Pro His Thr Gly Val Asn Arg Thr Val Trp Glu
50 55 60

Leu Ser Glu Glu Gly Val Tyr Gly Gln Asp Ser Pro Leu Glu Pro Val
65 70 75 80

Ala Gly Val Leu Val Pro Pro Asp Gly Pro Gly Ala Leu Asn Ala Cys
85 90 95

Asn Pro His Thr Asn Phe Thr Val Pro Thr Val Trp Gly Ser Thr Val
100 105 110

Gln Val Ser Trp Leu Ala Leu Ile Gln Arg Gly Gly Cys Thr Phe
115 120 125

Ala Asp Lys Ile His Leu Ala Tyr Glu Arg Gly Ala Ser Gly Ala Val
130 135 140

Ile Phe Asn Phe Pro Gly Thr Arg Asn Glu Val Ile Pro Met Ser His
145 150 155 160

Pro Gly Ala Val Asp Ile Val Ala Ile Met Ile Gly Asn Leu Lys Gly
165 170 175

Thr Lys Ile Leu Gln Ser Ile Gln Arg Gly Ile Gln Val Thr Met Val
180 185 190

Ile Glu Val Gly Lys Lys His Gly Pro Trp Val Asn His Tyr Ser Ile
195 200 205

Phe Phe Val Ser Val Ser Phe Phe Ile Ile Thr Ala Ala Thr Val Gly
210 215 220

Tyr Phe Ile Phe Tyr Ser Ala Arg Arg Leu Arg Asn Ala Arg Ala Gln
225 230 235 240

Ser Arg Lys Gln Arg Gln Leu Lys Ala Asp Ala Lys Lys Ala Ile Gly
245 250 255

Arg Leu Gln Leu Arg Thr Leu Lys Gln Gly Asp Lys Glu Ile Gly Pro
260 265 270

Asp Gly Asp Ser Cys Ala Val Cys Ile Glu Leu Tyr Lys Pro Asn Asp
275 280 285

Leu Val Arg Ile Leu Thr Cys Asn His Ile Phe His Lys Thr Cys Val
290 295 300

Asp	Pro	Trp	Leu	Leu	Glu	His	Arg	Thr	Cys	Pro	Met	Cys	Lys	Cys	Asp
305															320
Ile	Leu	Lys	Ala	Leu	Gly	Ile	Glu	Val	Asp	Val	Glu	Asp	Gly	Ser	Val
															335
Ser	Leu	Gln	Val	Pro	Val	Ser	Asn	Glu	Ile	Ser	Asn	Ser	Ala	Ser	Ser
															350
His	Glu	Glu	Asp	Asn	Arg	Ser	Glu	Thr	Ala	Ser	Ser	Gly	Tyr	Ala	Ser
															365
Val	Gln	Gly	Thr	Asp	Glu	Pro	Pro	Leu	Glu	Glu	His	Val	Gln	Ser	Thr
															380
Asn	Glu	Ser	Leu	Gln	Leu	Val	Asn	His	Glu	Ala	Asn	Ser	Val	Ala	Val
															400
385															
Asp	Val	Ile	Pro	His	Val	Asp	Asn	Pro	Thr	Phe	Glu	Glu	Asp	Glu	Thr
															415
405															
Pro	Asn	Gln	Glu	Thr	Ala	Val	Arg	Glu	Ile	Lys	Ser				
															425

<210> 220

<211> 124

<212> PRT

<213> Homo sapiens

<400> 220

Met	Leu	Thr	Gln	Ser	Gln	Gln	Val	Leu	Arg	Gly	Ile	Leu	Leu	Phe	Leu
1															15

Gln	Asn	Ile	Leu	Gln	Val	Ser	Trp	Gly	Ser	Pro	Leu	Ala	Leu	Ala	Ser
20															30

Pro	Pro	Ser	Pro	Ser	Leu	Gln	Pro	Gly	Asn	Gly	Leu	Ala	Ser	Ser	Leu
35															45

Leu	Ala	Leu	Gln	Pro	Gly	Leu	Ala	Gly	Pro	Trp	Ala	Gly	Pro	Gln	Glu
50															60

Pro	Ser	Pro	Ala	Met	Cys	Phe	Pro	Lys	Lys	Arg	Ser	Leu	Trp	Pro	Asn
65															80

Leu	Arg	Lys	Gln	Trp	Ala	Ser	Ile	His	Ile	Asn	Asp	Pro	Arg	Gly	Thr
85															95

Leu	Cys	Pro	Arg	Cys	Thr	Gly	Cys	Asn	Gln	Arg	Gly	Ser	Gly	Gly	Ser
100															110

Gly	Leu	Ile	Trp	Arg	Asp	Arg	Phe	Tyr	His	His	Pro				
115															120

<210> 221

<211> 87

<212> PRT

<213> Homo sapiens

<400> 221
Met Thr Trp Ser Phe Cys Phe Ala Leu Phe Cys Phe Val Leu Phe Phe
1 5 10 15
Ala Ala Ser Leu Ile Gly Tyr Ile Leu Leu Pro Ser Ala Ser Pro Arg
20 25 30
Asn His Arg Arg Pro Asn Asn Glu Ala Arg Val Gly Thr Pro Gly Gln
35 40 45
Leu Asp Asp Glu Leu Lys Gly Arg Gln Pro Leu Ala Ser Arg Leu Glu
50 55 60
Thr Ser Gln Cys Thr Gln Gly Leu Leu Ala Ser Arg Pro Ser Gly Val
65 70 75 80
Ser Lys Ala Leu Leu Tyr Pro
85

<210> 222

<211> 84

<212> PRT

<213> Homo sapiens

<400> 222
Met Glu Trp Gln Phe Gly Lys Pro Ser Phe Leu Leu Ser Leu Leu Met
1 5 10 15
Leu Leu Val Leu Glu Trp Lys Ala Leu Cys Gly Val Arg Leu Gly His
20 25 30
Leu Gly Leu Gln Val Pro Asn Pro Ser Leu Lys Ser Thr Cys Leu Trp
35 40 45
Pro Leu Arg Ser Leu Cys Pro Trp Arg Leu Tyr Pro Ile Lys Ile Met
50 55 60
Ile Ser Leu Pro Leu Pro Ser Leu Gln Leu Pro Ser Ser Pro His Arg
65 70 75 80
Pro Phe Gln Leu

<210> 223

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 223

Met Pro Leu Pro Pro Lys Trp Pro Pro Leu Leu Thr Ala Leu Leu Cys
1 5 10 15

His Leu Leu Ser Thr Ser Ser Pro Leu Leu Ile Ile Leu Pro Asn His
20 25 30

Arg Ser Asp His Pro Leu Thr Asp Leu Ser Xaa Leu Ser Ile Ala Tyr
35 40 45

Lys Asn Glu Asn Gln Thr Thr Glu Leu Ser Met Thr Val Lys Ala Leu
50 55 60

His Leu Ala Ser Ile Tyr Cys Ile Leu His Ala Ser
65 70 75

<210> 224

<211> 142

<212> PRT

<213> Homo sapiens

<400> 224

Met Leu Trp Thr Thr Leu Thr Gly Val Ser Leu Ala Leu Phe Pro Val
1 5 10 15

Ala Gln Ala Pro Thr Ala Leu Val Ala Leu Ala Val Ala Tyr Gly Phe
20 25 30

Thr Ser Gly Ala Leu Ala Pro Leu Ala Phe Ser Val Leu Pro Glu Leu
35 40 45

Ile Gly Thr Arg Arg Ile Tyr Cys Gly Leu Gly Leu Leu Gln Met Ile
50 55 60

Glu Ser Ile Gly Gly Leu Leu Gly Pro Pro Leu Ser Gly Tyr Leu Arg
65 70 75 80

Asp Val Thr Gly Asn Tyr Thr Ala Ser Phe Val Val Ala Gly Ala Phe
85 90 95

Leu Leu Ser Gly Ser Gly Ile Leu Leu Thr Leu Pro His Phe Phe Cys
100 105 110

Phe Ser Thr Thr Ser Gly Pro Gln Asp Leu Val Thr Glu Ala Leu
115 120 125

Asp Thr Lys Val Pro Leu Pro Lys Glu Gly Leu Glu Glu Asp
130 135 140

<210> 225

<211> 84

<212> PRT

<213> Homo sapiens

<400> 225

Met Phe Leu Ser Gly Lys Pro Gly Glu Ser Tyr Leu Ser His Leu Pro

1

5

10

15

Cys Leu Phe Phe Phe Phe Phe Gly Trp Ser Cys Cys Leu Asp
20 25 30

Asp Ala Phe Thr Met Gln Glu Arg Val Phe Val Lys Asp Ile Phe Glu
35 40 45

Asp Trp Leu Phe His Ile Val Leu His Ser Leu Thr Val Ala Lys Cys
50 55 60

Thr Val Asp Phe His Asp His Cys Ile Phe Leu Val Ile Glu Met Tyr
65 70 75 80

Leu Leu Cys Phe

<210> 226

<211> 88

<212> PRT

<213> Homo sapiens

<400> 226

Met Phe Pro Ile Leu Ser Ile Thr Thr Leu Ser Ile Leu Ala Phe Phe
1 5 10 15

Leu Trp Leu Ser Val Thr Ser His Phe Tyr Arg Gln Lys Thr Gly Phe
20 25 30

His His Ser Pro Ser Phe Tyr Leu Ile Val Gln Ile Trp Asp Thr Tyr
35 40 45

Ala Asp Ile Val Ala Ser Glu Tyr Val Phe Pro Trp Arg Lys Thr Leu
50 55 60

Ser Ser Arg Glu Gln Cys Leu Ser Val Val Pro Val Ala Phe Ser Leu
65 70 75 80

Ile Asp Phe Ile Ser Lys Val Ser
85

<210> 227

<211> 127

<212> PRT

<213> Homo sapiens

<400> 227

Met Met Pro Thr Tyr Ala Ile Cys Met Val Leu Val Phe Leu Leu
1 5 10 15

Val His Leu His Ile Ile Asn Thr Asn Thr His Thr His Thr His Thr
20 25 30

His Thr His Thr Gly Leu Leu Pro Glu Pro Tyr Met Leu Tyr Phe Gln
35 40 45

Phe	Leu	Ser	Val	Leu	Arg	Gly	Tyr	Ile	Leu	Ser	Arg	Trp	Thr	Asp	Arg
50						55					60				
Glu	Tyr	Thr	Trp	Ile	Ser	Thr	Lys	Ile	Tyr	Ser	Pro	Asn	Ser	Pro	Glu
65						70				75				80	
Pro	Pro	Ala	Ser	Cys	Pro	Ser	Pro	Thr	Gln	Ser	Ile	Ser	Arg	His	Ala
											85			95	
Val	Gln	Gly	Ser	Thr	Phe	Leu	Lys	Ala	Gln	Leu	Pro	Thr	Ser	Glu	Gln
										100			105		110
Val	Gln	Ile	His	Pro	Leu	His	Pro	Pro	Ile	His	Leu	Ser	Pro	Leu	
										115			120		125

<210> 228
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 228

Met	Thr	Ser	Leu	Ala	Arg	Leu	Pro	Cys	Ser	Tyr	Leu	Cys	Leu	Pro	Cys
1							5				10			15	
Gln	Leu	Ser	Ser	Cys	Cys	Ala	Phe	Ser	Gln	Pro	Ile	Ser	Ala	Leu	Leu
											20		25		30
Pro	Ser	Pro	Ser	Thr	Pro	Val	Leu	Leu	Ser	Ala	Pro	Arg	Pro	Ser	Ser
											35		40		45
Gln	Gly	Val	Pro	Gly	Thr	Arg	Ser	Glu	Phe	Pro	Ser	Thr	Pro	Phe	Cys
										50		55		60	
Leu	Pro	Ser	Phe	Pro	Arg	Glu	Ser	Phe	Leu	Asp	Ser	Phe	His	Leu	Val
										65		70		75	80
Ser	Ser	His													

<210> 229
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 229

Met	Ala	Lys	Ala	Pro	Phe	Tyr	His	Leu	Leu	Phe	Cys	Phe	Gly	Ile	Trp
1										5			10		15
Ser	Asp	Ser	Tyr	Ser	Ser	Leu	Gly	Leu	Ala	Gln	Trp	Arg	Asn	Trp	Cys
											20		25		30
Ser	Tyr	Cys	Thr	Gly	Leu	Cys	Thr	Pro	Cys	Asn	Cys	Asp	Val	Tyr	Asp
											35		40		45
Cys	Ser	Ser	Cys	Phe	Pro	Ile	Leu	His	Phe	Gln	Ser	Pro	Arg	Ala	Val
										50		55		60	

Leu Ser Arg Ile Thr Ser Thr Val Asn Gln Arg Arg Asp Cys Thr Thr
65 70 75 80

Arg His Val Cys Trp Glu Arg Arg Lys Gly Glu Lys Pro Trp Pro Lys
85 90 95

Gln Ser Ile Pro Gln Ile Leu Arg His Ser Phe Val Tyr Leu Val Phe
100 105 110

His His

<210> 230

<211> 81

<212> PRT

<213> Homo sapiens

<400> 230

Met Arg Trp Arg Lys Pro Leu Cys Leu Trp Cys Leu Leu Thr Gln Gly
1 5 10 15

Glu Thr Glu Ala Gln Ala Gly Gln Pro Leu Ala Trp Gly Gly Gly Trp
20 25 30

Val Val Leu Arg Pro Val Thr Ser Pro Leu Gln His Pro Pro Val Asp
35 40 45

Pro Leu Pro Ala Pro Ala Arg Pro Glu Ser Cys Ser Gln Ala Gln Thr
50 55 60

Leu Ala Cys Pro Ser Gly Asp Ala Gly Gln Tyr Ser Ser Leu Gln Pro
65 70 75 80

Ser

<210> 231

<211> 273

<212> PRT

<213> Homo sapiens

<400> 231

Met Thr Ser Gly Pro Arg Gly Val Val His Phe Tyr Gly Tyr Ser Val
1 5 10 15

Val Ser Thr Leu Ala Leu Leu Val Ser Ile Ala Phe Pro Ile Pro Ile
20 25 30

Cys Gln Gln Trp Glu Pro Ser Tyr Lys Arg Val Lys Ala Leu Ser Ile
35 40 45

Val Gly Gly Asp Pro His Leu Ile Leu Ala Ser Thr Thr Val Leu
50 55 60

Val Gly Ala Ile Val Ser Thr Val Gln Asn Phe Leu Phe Trp His Met

65	70	75	80
Lys Asp His Gly Ser Gly Glu Leu Val Met Gly Phe Ser Val Ala Leu			
85	90	95	
Ser Leu Leu Gly Glu Ile Leu Leu His Pro Phe Lys Ala Thr Leu Leu			
100	105	110	
Arg Lys Leu Ser Arg Thr Gly Leu Val Gly Leu Gly Leu Ser Cys Leu			
115	120	125	
Ala Gly Gln Leu Leu Tyr Tyr Ser Phe Leu Trp Ser Trp Trp Ser Val			
130	135	140	
Leu Pro Ile Gln Ile Leu Ser Ala Ile Ser Asn Arg Ala Leu Trp Trp			
145	150	155	160
Ala Val Gly Ala Ser Val Glu Asp Leu Ala Thr Pro Arg Met Glu Arg			
165	170	175	
Ala Leu Ser Ala Leu Phe Arg Gly His Phe Tyr Gly Ser Gly Cys Ser			
180	185	190	
Leu Gly Ser Phe Val Gly Gly Phe Val Val Met Arg Phe Ser Leu Ala			
195	200	205	
Val Leu Tyr Gln Ala Cys Cys Val Ala Leu Leu Leu Trp Leu Ala Leu			
210	215	220	
Leu Leu Ser Ile Gln Arg Arg Leu Pro Arg Glu Arg Lys Ile Lys Tyr			
225	230	235	240
Ser Lys Leu Leu Ser Met Glu Val Ser Asp Thr Ser Asp Ser Glu Gln			
245	250	255	
Gly Thr Glu Gln Asp Trp Leu Val Lys Ala Met Arg Glu Glu His Ser			
260	265	270	
Asp			

<210> 232
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 232
 Met Ala Ser Pro Ala Pro Ala Cys Leu Gly Ser Leu Leu Ser Trp Thr
 1 5 10 15

Val Cys Gly Trp Gly Glu Val Val Ser Gly Pro Pro Cys Ala Val Ser
 20 25 30

Ala Trp Gly Cys Ser Trp Ala Thr Trp Val Thr Pro Ser Val Val Val
 35 40 45

Gln Leu Ala Pro Ser Gly Ala Val Gln Thr Pro Leu Ser Pro Glu Leu
 50 55 60

Leu	Val	Ile	Ser	Phe	Gln	Leu	His	Ala	Ala	Pro	Leu	Gly	Gln	Phe	Tyr
65				70				75					80		
Phe	Pro	Ile	Leu	Gln	Met	Gly	Lys	Glu	Lys	Leu	Arg	Leu	Arg	Asn	Met
	85				90				95						
Pro	Lys	Glu	Ala	Pro	Val	Pro	Val	Phe	Cys	Phe	Val	Leu	Phe	Cys	Phe
	100				105					110					

<210> 233
<211> 82
<212> PRT
<213> Homo sapiens

Met	Gly	Gln	Leu	Cys	His	Ser	Pro	Ser	Cys	Leu	Pro	Ser	Gly	Ala	Phe
1							10				15				
Cys	Leu	Leu	Leu	Ser	Ser	Val	Leu	Gly	Ile	Ile	Val	Leu	Asn	Ser	Thr
	20					25					30				
Asp	Thr	Ile	Ser	Ser	Ser	His	Pro	Pro	Leu	Ser	Ser	Asn	Leu	Pro	Ser
	35						40				45				
Trp	Gly	Tyr	Thr	Thr	Thr	Lys	Ala	His	Leu	Ser	Leu	Gly	Leu	Val	Gly
	50					55				60					
Phe	Ala	Gly	Lys	Glu	Asn	Met	Lys	Glu	Leu	Tyr	Val	Glu	Ser	Ser	Arg
	65					70			75			80			

Ser Phe

<210> 234
<211> 136
<212> PRT
<213> Homo sapiens

Met	Ile	Glu	Asp	Thr	Met	Thr	Leu	Leu	Ser	Leu	Leu	Gly	Arg	Ile	Met
1					5				10			15			
Arg	Tyr	Phe	Leu	Leu	Arg	Pro	Glu	Thr	Leu	Phe	Leu	Leu	Cys	Ile	Ser
	20					25					30				
Leu	Ala	Leu	Trp	Ser	Tyr	Phe	Phe	His	Thr	Asp	Glu	Val	Lys	Thr	Ile
						35			40		45				
Val	Lys	Ser	Ser	Arg	Asp	Ala	Val	Lys	Met	Val	Lys	Gly	Lys	Val	Ala
	50					55			60						
Glu	Ile	Met	Gln	Asn	Asp	Arg	Leu	Gly	Gly	Leu	Asp	Val	Leu	Glu	Ala

65 70 75 80

Glu Phe Ser Lys Thr Trp Glu Phe Lys Asn His Asn Val Gly Gly Val
85 90 95

Leu His Pro Gly Pro Glu Arg Pro His Gly Gly Pro Leu Arg Ser Ser
100 105 110

His Gly Ser Gly Gln Gln Asp Ala Pro Val His Leu Arg Asp Leu Arg
115 120 125

Arg Ala Arg Gly Arg Asp Cys Ser
130 135

<210> 235

<211> 47

<212> PRT

<213> Homo sapiens

<400> 235

Met Lys Ser Lys Phe Cys Phe Ala Ser Pro Met Arg Leu Pro Lys Ala
1 5 10 15

Leu Leu Ala Phe Ser Ala Cys Trp Gln Leu Leu Ser Ala Trp Leu Leu
20 25 30

Thr Phe Leu Pro Thr Leu Leu Thr Asn Gln Lys Lys Ser Gln Glu
35 40 45

<210> 236

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 236

Met Phe Tyr Leu Thr His Pro Ile Lys Asn Phe Asn Met Ser Ser Arg
1 5 10 15

Lys Lys Lys Cys Ala Phe Tyr Ile Ile Leu Leu Leu Leu Ser Leu Ser
20 25 30

Pro	Gly	Thr	Trp	Phe	Thr	Pro	Thr	Pro	Thr	Pro	Gln	Leu	Thr	Leu	Ala
35						40						45			
Val	Trp	Gln	Val	Pro	Ser	Gly	His	Leu	Xaa	Arg	Ala	Leu	Cys	Ile	Gln
50						55						60			
Cys	Cys	Pro	Pro	Ala	Val	Ala	Gly	Ala	Val	Gly	Ala	Ser	Asp	Lys	Met
65						70						75			80
His	Pro	Gln	Pro	Trp	Gln	Cys	Leu	Gln	Ser	Cys	Pro	Phe	Val	Asn	Ser
							85					90			95
Gly	Pro	Xaa	His	Pro	His	Ala	Arg	Pro	Xaa	Thr	Ala	Trp	Asp	Ala	Cys
							100					105			110
Ala	Gly	Gly	Arg	Ala	Phe	Leu	Val	Arg	His						
							115					120			

<210> 237
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 237															
Met	Trp	Phe	Lys	Gly	Gln	Leu	His	Phe	Phe	Phe	Phe	Leu	Phe	Ser	Phe
1						5						10			15
Leu	Thr	Phe	Leu	Phe	Ser	Ser	Leu	Phe	Ser	Ser	Leu	Leu	Phe	Leu	Ser
							20					25			30
Phe	Leu	Phe	Phe	Pro	Phe	Leu	Ser	Gln	Gly	Phe	Ile	Leu	Ser	His	
							35					40			45
Arg	Leu	Glu	Tyr	Asn	Gly	Ile	Gly	Ser	Leu	Gln	Pro	Gln	Thr	Pro	Arg
							50					55			60
Leu	Lys	Pro	Ser	Ser	Gly	Leu	Ser	Leu	Leu	Ser	Ser	Trp	Asp	Tyr	Arg
							65					70			80
Cys	Ala	Pro	Leu	Pro	His	Ser	Ala	Asn	Phe						
							85					90			

<210> 238
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 238															
Met	Pro	Asn	Ser	Leu	Leu	Gly	Val	Phe	Phe	Cys	Phe	Val	Leu	Phe	Cys
1							5					10			15
Phe	Val	Leu	Phe	Cys	Leu	Ile	Gln	Ser	Phe	Thr	Leu	Ser	Pro	Arg	Leu
							20					25			30

Glu

<210> 239
<211> 35
<212> PRT
<213> Homo sapiens

<400> 239
Met Cys His His Ala Gln Leu Ile Phe Val Leu Leu Val Glu Thr Gly
1 5 10 15
Phe Cys His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser His Asp
20 25 30
Leu Arg Thr
35

<210> 240
<211> 82
<212> PRT
<213> Homo sapiens

<400> 240
Met Leu Thr Asn Arg Ala Pro Ser Ser Phe Val Trp Phe Leu Cys Leu
1 5 10 15
Ala Cys His Leu Pro Ser Cys Pro Ser Ala Thr Glu Glu Phe Ala Val
20 25 30
Phe Ile Pro Lys Tyr His Ser Ser Arg Met Gly Ala Ala Pro Cys His
35 40 45
Val Leu Gly His Gly Gly Ile Lys Gly Asn Thr Cys Gln Asp Asn Ala
50 55 60
Gly Tyr Asp Phe Cys Arg Pro Leu Gly Leu Ala Ser Phe Leu Lys Arg
65 70 75 80
Gln Asp

<210> 241
<211> 219
<212> PRT
<213> Homo sapiens

<400> 241
Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
1 5 10 15
Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
20 25 30
Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
35 40 45

Pro	Ser	Thr	Arg	Pro	Pro	Gly	Thr	Pro	Arg	Ala	Pro	Gly	Pro	Ser	Ser
50															
Gly	Pro	Arg	Pro	Thr	Pro	Val	Thr	Asp	Val	Ala	Val	Leu	Cys	Val	Cys
65															
Asp	Leu	Ser	Pro	Ala	Gln	Cys	Asp	Ile	Asn	Cys	Cys	Cys	Asp	Pro	Asp
Cys	Ser	Ser	Val	Asp	Phe	Ser	Val	Phe	Ser	Ala	Cys	Ser	Val	Pro	Val
100															
Val	Thr	Gly	Asp	Ser	Gln	Phe	Cys	Ser	Gln	Lys	Ala	Val	Ile	Tyr	Ser
115															
Leu	Asn	Phe	Thr	Ala	Asn	Pro	Pro	Gln	Arg	Val	Phe	Glu	Leu	Val	Asp
130															
Gln	Ile	Asn	Pro	Ser	Ile	Phe	Cys	Ile	His	Ile	Thr	Asn	Tyr	Lys	Pro
145															
150															
Ala	Leu	Ser	Phe	Ile	Asn	Pro	Glu	Val	Pro	Asp	Glu	Asn	Asn	Phe	Asp
165															
Thr	Leu	Met	Lys	Thr	Ser	Asp	Gly	Phe	Thr	Leu	Asn	Ala	Glu	Tyr	Met
180															
Phe	Pro	Ser	Gln	Pro	Asn	Trp	Ile	Phe	Leu	Leu	Leu	Leu	Asn	Met	Ser
195															
Met	Gly	Phe	Leu	Cys	Arg	Leu	Gln	Ile	Arg	Phe					
210															

<210> 242
 <211> 181
 <212> PRT
 <213> Homo sapiens

<400> 242															
Met	Gly	Leu	Ile	Val	Val	Leu	Leu	Phe	Pro	Asn	Leu	Cys	Met	Cys	Thr
1															
Phe	His	Ala	Gly	Gly	Phe	Gln	Cys	Val	Leu	Trp	Met	Ala	Gly	Leu	Lys
20															
Arg	Arg	Val	Pro	Leu	His	Ser	Leu	Arg	Tyr	Phe	Ile	Ser	Met	Val	Gly
35															
Leu	Phe	Ser	Lys	Pro	Gly	Leu	Leu	Pro	Trp	Tyr	Ala	Arg	Asn	Pro	Pro
50															
Gly	Trp	Ser	Gln	Leu	Phe	Leu	Gly	Thr	Val	Cys	Lys	Gly	Asp	Phe	Thr
65															
Arg	Val	Ile	Ala	Thr	Lys	Cys	Gln	Lys	Gly	Gln	Lys	Ser	Gln	Lys	Lys
85															

Pro Ser His Leu Gly Pro Leu Asp Gly Ser Trp Gln Glu Arg Leu Ala
 100 105 110
 Asp Val Val Thr Pro Leu Trp Arg Leu Ser Tyr Glu Glu Gln Leu Lys
 115 120 125
 Val Lys Phe Ala Ala Gln Lys Lys Ile Leu Gln Arg Leu Glu Ser Tyr
 130 135 140
 Ile Gln Met Leu Asn Gly Val Ser Val Thr Thr Ala Val Pro Lys Ser
 145 150 155 160
 Glu Arg Leu Ser Cys Leu Leu His Pro Ile Ile Pro Leu Ser Cys His
 165 170 175
 Gln Trp Leu Pro Lys
 180

<210> 243
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 243
 Met Ser Asn Thr Asn Gly Ser Ala Ile Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Thr Asp Cys Pro Glu Leu Gln Ser Leu Leu Phe Val Leu Phe Leu
 20 25 30
 Val Val Tyr Leu Val Thr Leu Leu Gly Asn Leu Gly Met Ile Met Leu
 35 40 45
 Met Arg Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Thr
 50 55 60
 Asn Leu Ala Phe Val Asp Leu Cys Tyr Thr Ser Asn Ala Thr Pro Gln
 65 70 75 80
 Met Ser Thr Asn Ile Val Ser Glu Lys Thr Ile Ser Phe Ala Gly Cys
 85 90 95
 Phe Thr Gln Cys Tyr Ile Phe Ile Ala Leu Leu Thr Glu Phe Tyr
 100 105 110
 Met Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile
 115 120 125

<210> 244
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 244
 Met Arg Leu Leu Val Leu Ser Ser Leu Leu Cys Ile Leu Leu Leu Cys
 1 5 10 15

Phe	Ser	Ile	Phe	Ser	Thr	Glu	Gly	Lys	Arg	Arg	Pro	Ala	Lys	Ala	Trp
20						25						30			
Ser	Gly	Arg	Arg	Thr	Arg	Leu	Cys	Cys	His	Arg	Val	Pro	Ser	Pro	Asn
35						40					45				
Ser	Thr	Asn	Leu	Lys	Ala	Phe	Thr	Ala	Val	Ser	Cys	Asn	Val	Gly	Gly
50						55				60					
Leu	His	Leu	Gly	Leu	Gln	Gly	Pro	Trp	Glu	Ser	Ser	Arg	Thr	Pro	Arg
65						70				75			80		
Pro	Cys	Leu	Asn	Cys	Ala	Ile	Asn	Phe	Gln	Ser	Tyr	His	Glu	Pro	Thr
						85			90			95			
Ser	Pro	His	Arg	Ala	Ser	Val	Ala	Thr	Met	Trp	Ala	Ser	Pro	Val	Gln
						100			105			110			
Thr	Thr	Glu	His	Ser	Thr	Met	Thr	Gly	His	Ser	Tyr	Lys	Ser	Arg	Asp
						115			120			125			
His	Gln	Ser	Cys												
						130									

<210> 245
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 245															
Met	Ser	Gly	Leu	Ser	Arg	Pro	Leu	Leu	Leu	Ala	Val	Gly	Cys	Leu	Ala
1			5				10					15			
Ala	Leu	Cys	Val	Ile	Thr	Ala	Ala	Gly	Asn	Thr	Thr	Leu	Ala	Pro	Asn
			20				25					30			
Val	Thr	Thr	Ala	Ser	Ser	Pro	Pro	Pro	Thr	Thr	Thr	Thr	Val	Pro	Val
			35				40					45			
Ser	Pro	Thr	Thr	Leu	Ser	Pro	Leu	Pro	Val	Thr	Thr	Pro	Ala	Pro	Asp
				50			55			60					
Ile	Cys	Gly	Ser	Arg	Asn	Ser	Cys	Val	Ser	Cys	Val	Asp	Gly	Asn	Ala
65								70			75			80	
Thr	Cys	Phe	Trp	Ile	Glu	Cys	Lys	Gly	Lys	Ser	Tyr	Cys	Ser	Asp	Asn
							85			90			95		
Ser	Thr	Ala	Gly	Asp	Cys	Lys	Val	Val	Asn	Thr	Thr	Gly	Phe	Cys	Ser
							100			105			110		
Ala	Lys	Thr	Thr	Thr	Leu	Pro	Ser	Thr	Thr	Thr	Ser	Thr	Thr	Ala	
						115			120			125			
Thr	Thr	Ser	Gly	Thr	Thr	Asn	Thr	Thr	Leu	Ser	Pro	Thr	Ile	Gln	Pro
						130			135			140			

Thr Arg Lys Ser Thr Phe Asp Ala Ala Ser Phe Ile Gly Gly Ile Val			
145	150	155	160
Leu Val Leu Gly Val Gln Ala Val Ile Phe Phe Leu Tyr Lys Phe Cys			
165	170	175	
Lys Ser Lys Glu Arg Asn Tyr His Thr Leu			
180	185		

<210> 246
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 246
 Met Leu Val Pro Ala Ala Leu Thr Gly Leu Leu Val Phe Leu Ser Gly
 1 5 10 15

Phe Ser Leu Phe Glu Ala Ser Gln Ile Ser Lys Glu Ile Cys Glu Ala
 20 25 30

His Asp Ile Leu Met Cys Pro Leu Gly Asp His Ser Arg Arg Tyr Gln
 35 40 45

Arg Leu Ser Glu Thr Cys Thr Phe Ala Lys Leu Thr His Leu Phe Asp
 50 55 60

Asn Asp Gly Thr Val Val Phe Ala Ile Phe Met Ala Leu Trp Ala Thr
 65 70 75 80

Val Phe Leu Glu Ile Trp Lys Arg Gln Arg Ala Arg Val Val Leu His
 85 90 95

Trp Asp Leu Tyr Val Trp Asp Glu Glu Gln Val Arg Trp Ser Trp Gln
 100 105 110

Arg Ser

<210> 247
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 247
 Met Ser Arg Cys Thr Trp Pro Ser Phe Ser Phe Leu Ser Ser Phe
 1 5 10 15

Leu Ser Phe Phe Arg Trp Ser Leu Ala Leu Ser Ala Arg Leu Glu Gly
 20 25 30

Ser Gly Val Ile Leu Ala His Cys Asn Leu Arg Leu Pro Gly Ser Ser
 35 40 45

Asp Ser Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Met Ser
 50 55 60

Arg Cys Ala Asp Val His Leu Val Ser Ile Ile Thr Lys Ala His Leu
65 70 75 80

Val Ser Trp Pro Leu Gln Met Asn Ile Leu Pro
85 90

<210> 248
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 248
Met Val Phe Pro Leu Leu Cys Val Phe Val Leu Ile Ser Ser Ser Leu
1 5 10 15

Ala Gly Glu Glu Ala Ala Gly Leu Arg Val Gln Lys Leu Trp Pro Ala
20 25 30

Xaa Xaa Leu Ser His Leu Pro Val Cys Trp Phe His Cys Ser Gly Ile
35 40 45

Trp Ser Glu Xaa Ile Glu Leu Lys Val Gly Trp Glu Gly His Val Leu
50 55 60

Pro Trp Gln Ala His Val Val Glu Phe
65 70

<210> 249
<211> 118
<212> PRT
<213> Homo sapiens

<400> 249
Met His Cys His Cys Arg Val Trp Gly Phe Arg Trp Phe Leu Gly Asp
1 5 10 15

Trp Glu Leu Leu Val Cys Met Cys Trp Val His Ala Ser Gly Ser Gln
20 25 30

Leu Pro Gln Ala Arg Thr Gly Asn Pro Phe Pro Ser Lys Ala Ile Gly

35

40

45

Gly Ala Ser Leu Glu Ser Phe Ala Lys Ser Pro Arg Gln Asn Pro Arg
 50 55 60

Val Gln Asp His Phe His Gly Ala His Val Phe Leu Phe Cys Arg Asn
 65 70 75 80

Phe Phe Leu Thr Ser Thr His His Asn Ser Glu Gly His Val Ser Ser
 85 90 95

Phe Leu Asp His Tyr Ser Glu Val Leu Gln Leu Tyr Ser Ser Gln Ser
 100 105 110

Gly Leu Gly Leu Leu Gly
 115

<210> 250

<211> 466

<212> PRT

<213> Homo sapiens

<400> 250

Met Phe Gly Thr Leu Leu Leu Tyr Cys Phe Phe Leu Ala Thr Val Pro
 1 5 10 15

Ala Leu Ala Glu Thr Gly Gly Glu Arg Gln Leu Ser Pro Glu Lys Ser
 20 25 30

Glu Ile Trp Gly Pro Gly Leu Lys Ala Asp Val Val Leu Pro Ala Arg
 35 40 45

Tyr Phe Tyr Ile Gln Ala Val Asp Thr Ser Gly Asn Lys Phe Thr Ser
 50 55 60

Ser Pro Gly Glu Lys Val Phe Gln Val Lys Val Ser Ala Pro Glu Glu
 65 70 75 80

Gln Phe Thr Arg Val Gly Val Gln Val Leu Asp Arg Lys Asp Gly Ser
 85 90 95

Phe Ile Val Arg Tyr Arg Met Tyr Ala Ser Tyr Lys Asn Leu Lys Val
 100 105 110

Glu Val Lys Phe Gln Gly Gln His Val Ala Lys Ser Pro Tyr Ile Leu
 115 120 125

Lys Gly Pro Val Tyr His Glu Asn Cys Asp Cys Pro Leu Gln Asp Ser
 130 135 140

Ala Ala Trp Leu Arg Glu Met Asn Cys Pro Glu Thr Ile Ala Gln Ile
 145 150 155 160

Gln Arg Asp Leu Ala His Phe Pro Ala Val Asp Pro Glu Lys Ile Ala
 165 170 175

Val Glu Ile Pro Lys Arg Phe Gly Gln Arg Gln Ser Leu Cys His Tyr
 180 185 190

Thr Leu Lys Asp Asn Lys Val Tyr Ile Lys Thr His Gly Glu His Val
 195 200 205
 Gly Phe Arg Ile Phe Met Asp Ala Ile Leu Leu Ser Leu Thr Arg Lys
 210 215 220
 Val Lys Met Pro Asp Val Glu Leu Phe Val Asn Leu Gly Asp Trp Pro
 225 230 235 240
 Leu Glu Lys Lys Ser Asn Ser Asn Ile His Pro Ile Phe Ser Trp
 245 250 255
 Cys Gly Ser Thr Asp Ser Lys Asp Ile Val Met Pro Thr Tyr Asp Leu
 260 265 270
 Thr Asp Ser Val Leu Glu Thr Met Gly Arg Val Ser Leu Asp Met Met
 275 280 285
 Ser Val Gln Ala Asn Thr Gly Pro Pro Trp Glu Ser Lys Asn Ser Thr
 290 295 300
 Ala Val Trp Arg Gly Arg Asp Ser Arg Lys Glu Arg Leu Glu Leu Val
 305 310 315 320
 Lys Leu Ser Arg Lys His Pro Glu Leu Ile Asp Ala Ala Phe Thr Asn
 325 330 335
 Phe Phe Phe Lys His Asp Glu Asn Leu Tyr Gly Pro Ile Val Lys
 340 345 350
 His Ile Ser Phe Phe Asp Phe Phe Lys His Lys Tyr Gln Ile Asn Ile
 355 360 365
 Asp Gly Thr Val Ala Ala Tyr Arg Leu Pro Tyr Leu Leu Val Gly Asp
 370 375 380
 Ser Val Val Leu Lys Gln Asp Ser Ile Tyr Tyr Glu His Phe Tyr Asn
 385 390 395 400
 Glu Leu Gln Pro Trp Lys His Tyr Ile Pro Val Lys Ser Asn Leu Ser
 405 410 415
 Asp Leu Leu Glu Lys Leu Lys Trp Ala Lys Asp His Asp Glu Glu Ala
 420 425 430
 Lys Lys Ile Ala Lys Ala Gly Gln Glu Phe Ala Arg Asn Asn Leu Met
 435 440 445
 Gly Asp Asp Ile Phe Cys Tyr Tyr Phe Lys Leu Phe Gln Thr Lys Asp
 450 455 460
 Glu Leu
 465

<210> 251
 <211> 62

<212> PRT

<213> Homo sapiens

<400> 251

Met	Thr	Cys	Gln	Leu	Leu	Phe	Asn	Ser	Phe	Leu	Leu	Ser	Ser	Val	Ser
1			5			10						15			
Gln	Ile	Arg	Asp	Gln	Ile	Ala	Met	Arg	Glu	Ser	Val	Trp	Ser	Gly	Ser
	20						25					30			
Ile	Ser	Arg	Gln	Lys	Glu	Leu	Val	Thr	Leu	Trp	Ile	Ile	Cys	Leu	Trp
	35					40					45				
Phe	Arg	His	Leu	Pro	Leu	Val	Leu	Ala	Val	Gly	Asp	Gly	Trp		
	50				55				60						

<210> 252

<211> 306

<212> PRT

<213> Homo sapiens

<400> 252

Met	Gly	His	Arg	Thr	Leu	Val	Leu	Pro	Trp	Val	Leu	Leu	Thr	Leu	Cys
1				5				10				15			

Val	Thr	Ala	Gly	Thr	Pro	Glu	Val	Trp	Val	Gln	Val	Arg	Met	Glu	Ala
	20				25						30				

Thr	Glu	Leu	Ser	Ser	Phe	Thr	Ile	Arg	Cys	Gly	Phe	Leu	Gly	Ser	Gly
	35					40					45				

Ser	Ile	Ser	Leu	Val	Thr	Val	Ser	Trp	Gly	Gly	Pro	Asp	Gly	Ala	Gly
	50				55				60						

Gly	Thr	Thr	Leu	Ala	Val	Leu	His	Pro	Glu	Arg	Gly	Ile	Arg	Gln	Trp
	65				70			75			80				

Ala	Pro	Ala	Arg	Gln	Ala	Arg	Trp	Glu	Thr	Gln	Ser	Ser	Ile	Ser	Leu
				85				90			95				

Ile	Leu	Glu	Gly	Ser	Gly	Ala	Ser	Ser	Pro	Cys	Ala	Asn	Thr	Thr	Phe
		100				105					110				

Cys	Cys	Lys	Phe	Ala	Ser	Phe	Pro	Glu	Gly	Ser	Trp	Glu	Ala	Cys	Gly
		115				120					125				

Ser	Leu	Pro	Pro	Ser	Ser	Asp	Pro	Gly	Leu	Ser	Ala	Pro	Pro	Thr	Pro
	130				135					140					

Ala	Pro	Ile	Leu	Arg	Ala	Asp	Leu	Ala	Gly	Ile	Leu	Gly	Val	Ser	Gly
	145				150			155			160				

Val	Leu	Leu	Phe	Gly	Cys	Val	Tyr	Leu	Leu	His	Leu	Leu	Arg	Arg	His
			165				170					175			

Lys	His	Arg	Pro	Ala	Pro	Arg	Leu	Gln	Pro	Ser	Arg	Thr	Ser	Pro	Gln
		180				185					190				

Ala Pro Arg Ala Arg Ala Trp Ala Pro Ser Gln Ala Ser Gln Ala Ala
195 200 205

Leu His Val Pro Tyr Ala Thr Ile Asn Thr Ser Cys Arg Pro Ala Thr
210 215 220

Leu Asp Thr Ala His Pro His Gly Gly Pro Ser Trp Trp Ala Ser Leu
225 230 235 240

Pro Thr His Ala Ala His Arg Pro Gln Gly Pro Ala Ala Trp Ala Ser
245 250 255

Thr Pro Ile Pro Ala Arg Gly Ser Phe Val Ser Val Glu Asn Gly Leu
260 265 270

Tyr Ala Gln Ala Gly Glu Arg Pro Pro His Thr Gly Pro Gly Leu Thr
275 280 285

Leu Phe Pro Asp Pro Arg Gly Pro Arg Ala Met Glu Gly Pro Leu Gly
290 295 300

Val Arg
305

<210> 253
<211> 191
<212> PRT
<213> Homo sapiens

<400> 253

Met Gly Trp Ser Arg Gly Glu Gly Gln Gln Gly Trp Leu Ala Ala Ala
1 5 10 15

Leu Cys Gly Trp Thr Arg Leu Gly Lys Ala Glu Gly Ser Glu Gly Trp
20 25 30

Ala Thr Leu Glu Gly Cys Gln Val Pro Ser Leu Leu Gln Gly Asn Glu
35 40 45

Gly Gly Ala Ala Leu Asn Arg His Met Pro Lys Gln Gly Ile Asp Ala
50 55 60

Trp Ile Lys Leu Ala Thr Thr Arg Arg Ser Leu Phe Gly Ile Phe Gln
65 70 75 80

Ile Leu Arg His Pro Ser Cys Asp Asp Gly Val Glu Arg Gly Thr Gly
85 90 95

Pro Leu Glu Phe Cys Gly Leu His Arg His Ser Ala Gly Ile Trp Thr
100 105 110

Cys Arg Leu Val Gly Pro Ala Gly Ser Leu Leu Pro Ala Leu Leu Arg
115 120 125

Gly Arg Gly Gln Leu Gly Gly Arg Gly Leu Ala Glu Lys Gln Lys Asn
130 135 140

Met Gly Cys Gly Ala Pro Ser Ala Ala Arg Gly Ser Asn Pro Ser Ser
153

145	150	155	160
Ser Met Trp Glu Pro Ser Thr Pro Gly Ser Leu Ser Gln Pro Cys Leu			
165	170	175	
Gly Pro Gly Trp Glu Asn Pro Thr Pro Gln Gly Cys Gly Glu Gly			
180	185	190	
<210> 254			
<211> 146			
<212> PRT			
<213> Homo sapiens			
<400> 254			
Met Arg Leu Phe Val Ser Val Thr Val Leu Val Ile Cys Leu Ala Asp			
1	5	10	15
Leu Glu Glu Glu Ser Glu Ser Trp Asp Asn Ser Glu Ser Glu Glu Glu			
20	25	30	
Glu Lys Ala Pro Val Leu Pro Glu Ser Thr Glu Gly Arg Glu Leu Thr			
35	40	45	
Gln Gly Pro Ala Glu Ser Ser Ser Leu Ser Gly Cys Gly Ser Trp Gln			
50	55	60	
Pro Arg Lys Leu Pro Val Phe Lys Ser Leu Arg His Met Arg Gln Val			
65	70	75	80
Gly Gly Arg Gly Thr Ala His Gln Glu Leu Arg Arg Arg Ala Asn His			
85	90	95	
Gly Leu Ser Leu Pro Thr Arg Leu Ala Ser Gly Pro Ser Thr Phe Lys			
100	105	110	
Thr Leu Gln Glu Val Thr Asp Ser Leu Leu Gly Gly Trp Leu Arg Ala			
115	120	125	
Gln Gly Val Gly Gly Ile Ser His Arg Ile Ser Ala Pro Leu Ser Val			
130	135	140	
Met Thr			
145			

<210> 255			
<211> 777			
<212> PRT			
<213> Homo sapiens			
<400> 255			
Met Ile Leu Leu Ile Ile Leu Trp Ile Leu Arg Glu Ile Gln Ser Ile			
1	5	10	15
Tyr Ile Ile Gly Ile Phe Arg Asn Pro Phe Tyr Pro Lys Asp Val Gln			
20	25	30	

Thr Val Thr Val Phe Phe Glu Lys Gln Thr Arg Leu Met Lys Ile Gly
 35 40 45
 Ile Val Arg Arg Ile Leu Leu Thr Leu Val Ser Pro Phe Ala Met Ile
 50 55 60
 Ala Phe Leu Ser Leu Asp Ser Ser Leu Gln Gly Leu His Ser Val Ser
 65 70 75 80
 Val Cys Ile Gly Phe Thr Arg Ala Phe Arg Met Val Trp Gln Asn Thr
 85 90 95
 Glu Asn Ala Leu Leu Glu Thr Val Ile Val Ser Thr Val His Leu Ile
 100 105 110
 Ser Ser Thr Asp Ile Trp Trp Asn Arg Ser Leu Asp Thr Gly Leu Arg
 115 120 125
 Leu Leu Leu Val Gly Ile Ile Arg Asp Arg Leu Ile Gln Phe Ile Ser
 130 135 140
 Lys Leu Gln Phe Ala Val Thr Val Leu Leu Thr Ser Trp Thr Glu Lys
 145 150 155 160
 Lys Gln Arg Arg Lys Thr Thr Ala Thr Leu Cys Ile Leu Asn Ile Val
 165 170 175
 Phe Ser Pro Phe Val Leu Val Ile Ile Val Phe Ser Thr Leu Leu Ser
 180 185 190
 Ser Pro Leu Leu Pro Leu Phe Thr Leu Pro Val Phe Leu Val Gly Phe
 195 200 205
 Pro Arg Pro Ile Gln Ser Trp Pro Gly Ala Ala Gly Thr Thr Ala Cys
 210 215 220
 Val Cys Ala Asp Thr Val Tyr Tyr Tyr Gln Met Val Pro Arg Leu Thr
 225 230 235 240
 Ala Val Leu Gln Thr Ala Met Ala Ala Gly Ser Leu Gly Leu Leu Leu
 245 250 255
 Pro Gly Ser His Tyr Leu Gly Arg Phe Gln Asp Arg Leu Met Trp Ile
 260 265 270
 Met Ile Leu Glu Cys Gly Tyr Thr Tyr Cys Ser Ile Asn Ile Lys Gly
 275 280 285
 Leu Glu Leu Gln Glu Thr Ser Cys His Thr Ala Glu Ala Arg Arg Val
 290 295 300
 Asp Glu Val Phe Glu Asp Ala Phe Glu Gln Glu Tyr Thr Arg Val Cys
 305 310 315 320
 Ser Leu Asn Glu His Phe Gly Asn Val Leu Thr Pro Cys Thr Val Leu
 325 330 335
 Pro Val Lys Leu Tyr Ser Asp Ala Arg Asn Val Leu Ser Gly Ile Ile
 340 345 350

Asp Ser His Glu Asn Leu Lys Asp Phe Lys Gly Asp Leu Ile Lys Val
 355 360 365

 Leu Val Trp Ile Leu Val Gln Tyr Cys Ser Lys Arg Pro Gly Met Lys
 370 375 380

 Glu Asn Val His Asn Thr Glu Asn Lys Gly Lys Ala Pro Leu Met Leu
 385 390 395 400

 Pro Ala Leu Asn Thr Leu Pro Pro Pro Lys Ser Pro Glu Asp Ile Asp
 405 410 415

 Ser Leu Asn Ser Glu Thr Phe Asn Asp Trp Ser Asp Asp Asn Ile Phe
 420 425 430

 Asp Asp Glu Pro Thr Ile Lys Lys Val Ile Glu Glu Lys His Gln Leu
 435 440 445

 Lys Asp Leu Pro Gly Thr Asn Leu Phe Ile Pro Gly Ser Val Glu Ser
 450 455 460

 Gln Arg Val Gly Asp His Ser Thr Gly Thr Val Pro Glu Asn Asp Leu
 465 470 475 480

 Tyr Lys Ala Val Leu Leu Gly Tyr Pro Ala Val Asp Lys Gly Lys Gln
 485 490 495

 Glu Asp Met Pro Tyr Ile Pro Leu Met Glu Phe Ser Cys Ser His Ser
 500 505 510

 His Leu Val Cys Leu Pro Ala Glu Trp Arg Thr Ser Cys Met Pro Ser
 515 520 525

 Ser Lys Met Lys Glu Met Ser Ser Leu Phe Pro Glu Asp Trp Tyr Gln
 530 535 540

 Phe Val Leu Arg Gln Leu Glu Cys Tyr His Ser Glu Glu Lys Ala Ser
 545 550 555 560

 Asn Val Leu Glu Glu Ile Ala Lys Asp Lys Val Leu Lys Asp Phe Tyr
 565 570 575

 Val His Thr Val Met Thr Cys Tyr Phe Ser Leu Phe Gly Ile Asp Asn
 580 585 590

 Met Ala Pro Ser Pro Gly His Ile Leu Arg Val Tyr Gly Gly Val Leu
 595 600 605

 Pro Trp Ser Val Ala Leu Asp Trp Leu Thr Glu Lys Pro Glu Leu Phe
 610 615 620

 Gln Leu Ala Leu Lys Ala Phe Arg Tyr Thr Leu Lys Leu Met Ile Asp
 625 630 635 640

 Lys Ala Ser Leu Gly Pro Ile Glu Asp Phe Arg Glu Leu Ile Lys Tyr
 645 650 655

 Leu Glu Glu Tyr Glu Arg Asp Trp Tyr Ile Gly Leu Val Ser Asp Glu
 660 665 670

Lys Trp Lys Glu Ala Ile Leu Gln Glu Lys Pro Tyr Leu Phe Ser Leu
 675 680 685
 Gly Tyr Asp Ser Asn Met Gly Ile Tyr Thr Gly Arg Val Leu Ser Leu
 690 695 700
 Gln Glu Leu Leu Ile Gln Val Gly Lys Leu Asn Pro Glu Ala Val Arg
 705 710 715 720
 Gly Gln Trp Ala Asn Leu Ser Trp Glu Leu Leu Tyr Ala Thr Asn Asp
 725 730 735
 Asp Glu Glu Arg Tyr Ser Ile Gln Ala His Pro Leu Leu Leu Arg Asn
 740 745 750
 Leu Thr Val Gln Ala Ala Glu Pro Pro Leu Gly Tyr Pro Ile Tyr Ser
 755 760 765
 Ser Lys Pro Leu His Ile His Leu Tyr
 770 775

<210> 256
 <211> 217
 <212> PRT
 <213> Homo sapiens

<400> 256
 Met Glu Met Ala Ser Ser Ala Gly Ser Trp Leu Ser Gly Cys Leu Ile
 1 5 10 15
 Pro Leu Val Phe Leu Arg Leu Ser Val His Val Ser Gly His Ala Gly
 20 25 30
 Asp Ala Gly Lys Phe His Val Ala Leu Leu Gly Gly Thr Ala Glu Leu
 35 40 45
 Leu Cys Pro Leu Ser Leu Trp Pro Gly Thr Val Pro Lys Glu Val Arg
 50 55 60
 Trp Leu Arg Ser Pro Phe Pro Gln Arg Ser Gln Ala Val His Ile Phe
 65 70 75 80
 Arg Asp Gly Lys Asp Gln Asp Glu Asp Leu Met Pro Glu Tyr Lys Gly
 85 90 95
 Arg Thr Val Leu Val Arg Asp Ala Gln Glu Gly Ser Val Thr Leu Gln
 100 105 110
 Ile Leu Asp Val Arg Leu Glu Asp Gln Gly Ser Tyr Arg Cys Leu Ile
 115 120 125
 Gln Val Gly Asn Leu Ser Lys Glu Asp Thr Val Ile Leu Gln Val Ala
 130 135 140
 Ala Pro Ser Val Gly Ser Leu Ser Pro Ser Ala Val Ala Leu Ala Val
 145 150 155 160
 Ile Leu Pro Val Leu Val Leu Ile Met Val Cys Leu Cys Leu Ile

165

170

175

Trp Lys Gln Arg Arg Ala Lys Glu Lys Leu Leu Tyr Glu His Val Thr
 180 185 190

Glu Thr Ile Phe Phe Gln Thr Met Leu Lys Lys Lys Glu Asn Ser Ile
 195 200 205

Lys Leu Ser Arg Asn Ser Gly Val Asn
 210 215

<210> 257

<211> 93

<212> PRT

<213> Homo sapiens

<400> 257

Met Ser His Cys Cys Ser Leu Arg Val Asp Phe Ser Val Pro Leu Cys
 1 5 10 15

Met Leu Leu Ser Pro Leu Leu Gly Met Ser Phe Ser Ala Cys Gln Thr
 20 25 30

Pro Ser Lys Ser Ser Ser Asp Val Thr Phe Ser Leu Ser Thr Pro Asp
 35 40 45

Pro Thr Pro Gln Ile Asp Leu Val Gln Pro Ser Ser Gly Phe Pro Gln
 50 55 60

His Ser Val Gln Phe Glu Arg Ser Phe Ile Ile Val Ile Ile Thr Phe
 65 70 75 80

Phe Lys Asn Asn Phe Ile Phe Ile Asn Leu Ile Arg Leu
 85 90

<210> 258

<211> 122

<212> PRT

<213> Homo sapiens

<400> 258

Met Leu His Ser Leu Ala Leu Ala Glu Phe Cys Arg Asp Trp Gln His
 1 5 10 15

Cys Val Pro Ala Cys Ser Pro Thr Val Ala Val Leu Phe Pro Arg Val
 20 25 30

Gln Arg Arg Phe Phe Leu Cys Ala Leu Trp Leu Leu Arg Ala His Gly
 35 40 45

Gly Gly Leu Gly Ser Ala Ile Gln Asp Cys Leu Phe Tyr Pro Leu His
 50 55 60

Cys Leu Phe Gln Gln Tyr Glu Gly Thr Val Ile Ala His Met Ile Phe
 65 70 75 80

Gly	Ser	Tyr	Glu	Gly	Ala	Phe	Cys	Val	Gly	Gly	Cys	Gln	Ile	Trp	Cys
85									90					95	
Ser	Cys	Arg	Glu	Asp	Asn	Arg	Trp	Arg	Leu	Leu	Phe	Gly	His	Ile	Ala
100								105					110		
Leu	Pro	Pro	Ile	Pro	Ala	Cys	Phe	Tyr	Phe						
115								120							

<210> 259
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 259															
Met	Gly	Ala	Ala	Trp	Pro	Arg	Arg	Ala	Arg	Ser	Trp	Trp	Ile	Arg	Thr
1				5					10				15		
Ser	Thr	Ala	Ser	Ser	Pro	Ser	Pro	Ser	Ser	Ser	Ile	Thr	Leu	Leu	Trp
20								25					30		
Thr	Pro	Cys	Met	Trp	Ala	Glu	Ser	Trp	Ala	Cys	Cys	Ser	Ser	Pro	Thr
35								40					45		
Tyr	Thr	Arg	Thr	Gly	Lys	Cys	Ser	Thr	Asn	Arg	Thr	Pro	Arg	Trp	Pro
50								55					60		
Pro	Ala	Leu	Thr	Ser	Met	Pro	Arg	Thr	Ser	Thr	Phe	Gln	Gln	Trp	Leu
65								70				75		80	
Ser	Ser	Pro	Thr	Phe	Trp	Trp	Leu	Val	Leu	Arg	Trp	Gly	Pro	Arg	Ile
85									90				95		
Gly	Ser	Pro	Gln	Thr	Ser	Trp	Gly	Cys	Lys	Arg	Ala	Gln	Pro	Trp	Pro
100								105					110		

Gly

<210> 260
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 260															
Met	Asn	Lys	Arg	Ala	Lys	Phe	Glu	Leu	Arg	Lys	Pro	Leu	Val	Leu	Trp
1								5					10		15
Ser	Leu	Thr	Leu	Ala	Val	Phe	Ser	Ile	Phe	Gly	Ala	Leu	Arg	Thr	Gly
20								25					30		
Ala	Tyr	Met	Val	Tyr	Ile	Leu	Met	Thr	Lys	Gly	Leu	Lys	Gln	Ser	Val
35								40					45		
Cys	Asp	Gln	Gly	Phe	Tyr	Asn	Gly	Pro	Val	Ser	Lys	Phe	Trp	Ala	Tyr
50								55				60			

Ala Phe Val Leu Ser Lys Ala Pro Glu Leu Gly Asp Thr Ile Phe Ile
 65 70 75 80
 Ile Leu Arg Lys Gln Lys Leu Ile Phe Leu His Trp Tyr His His Ile
 85 90 95
 Thr Val Leu Leu Tyr Ser Trp Tyr Ser Tyr Lys Asp Met Val Ala Gly
 100 105 110
 Gly Gly Trp Phe Met Thr Met Asn Tyr Gly Val His Ala Val Met Tyr
 115 120 125
 Ser Tyr Tyr Ala Leu Arg Ala Ala Gly Phe Arg Val Ser Arg Lys Phe
 130 135 140
 Ala Met Phe Ile Thr Leu Ser Gln Ile Thr Gln Met Leu Met Gly Cys
 145 150 155 160
 Val Val Asn Tyr Leu Val Phe Cys Trp Met Gln His Asp Gln Cys His
 165 170 175
 Ser His Phe Gln Asn Ile Phe Trp Ser Ser Leu Met Tyr Leu Ser Tyr
 180 185 190
 Leu Val Leu Phe Cys His Phe Phe Glu Ala Tyr Ile Gly Lys Met
 195 200 205
 Arg Lys Thr Thr Lys Ala Glu
 210 215

<210> 261
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 261
 Met Gly Asp Lys Glu Ser Ser Ser Ser Lys Pro Ser Leu Ala Gly Trp
 1 5 10 15
 Val Pro Leu Leu Leu Gly Gly Ala Phe Ser Cys Thr Pro Leu Pro Pro
 20 25 30
 Arg Gly Glu Ser Gln Gln Pro Asn Gln Thr Ala Gln Val Val His Leu
 35 40 45
 Met Glu Thr Thr Gly Leu Lys His Val Leu Tyr Ser Pro Val Tyr Phe
 50 55 60
 Cys Cys Tyr Phe Glu Ala Trp Lys Phe Leu Phe Gly Gly Ser Trp Gly
 65 70 75 80
 Tyr Ser Ser Gly

<210> 262

<211> 116
<212> PRT
<213> Homo sapiens

<400> 262
Met Ala Leu Asp Ile Ser Leu Phe Tyr Leu Phe Tyr Phe Phe Phe
1 5 10 15

Leu Arg Trp Asn Phe Ser Leu Ile Ala Gln Ala Gly Val Gln Trp His
20 25 30

Asp Leu Gly Ser Pro Gln Pro Pro Pro Gly Leu Lys Arg Phe Ser
35 40 45

Phe Leu Gly Leu Pro Ser Ser Trp Asp Tyr Arg His Ala Pro Pro Cys
50 55 60

Pro Ala Asn Phe Val Phe Leu Val Glu Met Gly Phe Leu His Val Gly
65 70 75 80

Gln Ala Gly Leu Glu Leu Pro Thr Ser Gly Gly Pro Pro Ala Trp Ala
85 90 95

Ser Gln Ser Ala Gly Ile Thr Gly Val Ser His Arg Ala Trp Pro Glu
100 105 110

Asn Ser His Phe
115

<210> 263
<211> 139
<212> PRT
<213> Homo sapiens

<400> 263
Met Leu Ala Met Leu Leu Cys Met Leu Val Ser Val Phe Ile Leu Gly
1 5 10 15

Val Pro Tyr Arg Gly Ser Leu Leu Ile Leu Phe Phe Ile Ser Ser Leu
20 25 30

Phe Leu Leu Ser Thr Leu Gly Met Gly Leu Leu Ile Ser Thr Ile Thr
35 40 45

Arg Asn Gln Phe Asn Ala Ala Gln Val Ala Leu Asn Ala Ala Phe Leu
50 55 60

Pro Ser Ile Met Leu Ser Gly Phe Ile Phe Gln Ile Asp Ser Met Pro
65 70 75 80

Ala Val Ile Arg Ala Val Thr Tyr Ile Ile Pro Ala Arg Tyr Phe Val
85 90 95

Ser Thr Leu Gln Ser Leu Phe Leu Ala Gly Asn Ile Pro Val Val Leu
100 105 110

Val Val Asn Val Leu Phe Leu Ile Ala Ser Ala Val Met Phe Ile Gly
115 120 125

Leu Thr Trp Leu Lys Thr Lys Arg Arg Leu Asp
130 135

<210> 264
<211> 82
<212> PRT
<213> Homo sapiens

<400> 264
Met Gly Trp Gln Leu Arg Ala Leu Ser Ala Val Gly Leu Trp Phe Thr
1 5 10 15
Ala Gly Asp Ser His Leu Ser Val Gln Val Cys Gly Gly Pro Ala
20 25 30
Leu Thr Leu Trp His Leu Arg Ser Ser Thr Pro Thr Thr Ile Phe Pro
35 40 45
Ile Arg Ala Pro Gln Lys His Val Thr Phe Tyr Gln Asp Leu Val Arg
50 55 60
Pro Cys Val Ser Leu Leu Pro Pro Pro Leu Thr Leu Pro Phe Ser Pro
65 70 75 80
Asp Pro

<210> 265
<211> 59
<212> PRT
<213> Homo sapiens

<400> 265
Met Leu Cys His Ala Trp Leu Leu Leu Met Tyr Leu Phe Leu Glu Met
1 5 10 15
Arg Ser His Cys Val Ala Gln Thr Gly Leu Glu Leu Leu Ala Ser Ser
20 25 30
His Pro Pro Phe Ser Ala Ser Thr Val Ala Gly Ile Ser Gly Thr Cys
35 40 45
His Cys Ala Leu Leu Ile Pro Phe Lys Ile Arg
50 55

<210> 266
<211> 31
<212> PRT
<213> Homo sapiens

<400> 266
Met Ile His Leu Phe Leu Leu Pro Cys Pro Asn Cys Val Phe Leu Leu
1 5 10 15

Leu His Leu Phe Phe Gln Gln Cys Ala Ala Ser Trp Thr Thr Ser
20 25 30

<210> 267
<211> 87
<212> PRT
<213> Homo sapiens

<400> 267
Met Thr Leu Leu Leu Thr Leu Glu Val Asp Ser Gly Thr Gln Gln Arg
1 5 10 15
Ala Gly Val Gly Ser Gln Gly Gln Ala Val Leu Pro Gly Leu Thr Cys
20 25 30
Phe Leu Leu Thr Phe Leu Leu Ala Ala Ser Val Tyr Ile Thr Gln Ser
35 40 45
Ala Trp Asp Asn Val Glu Val Ala Glu Val Thr Gly Tyr Phe Met Phe
50 55 60
Leu His Gly Ile Phe Leu Phe Leu Ile Gly Arg Arg Arg Gln Lys Leu
65 70 75 80
Glu Glu Met Gly Leu Leu Ser
85

<210> 268
<211> 73
<212> PRT
<213> Homo sapiens

<400> 268
Met Tyr Pro Val Tyr Thr Ser Asp Phe Cys Ser Gly Thr Phe Val
1 5 10 15
Leu Ile Phe Ala Trp Leu Thr Leu Ser Glu Leu Val Arg Val Leu His
20 25 30
Arg Lys Ile Ile Asn Trp Phe Phe Ile Phe Leu Arg Arg Phe Tyr Tyr
35 40 45
Gly Glu Leu Ala Tyr Ala Asn Met Glu Thr Thr Met Cys His Leu Gln
50 55 60
Ala Gly Asp Pro Arg Gln Leu Val Val
65 70

<210> 269
<211> 81
<212> PRT
<213> Homo sapiens

<400> 269

Met Tyr Ser Pro Ser Leu Tyr Leu Leu Pro Ser Leu Pro Ser Leu Leu
1 5 10 15

Gln Leu Ser Leu Ser Arg Ser Pro Arg Phe Asn Lys Gly Leu Gln Arg
20 25 30

Ala Met Glu Lys Thr Met Lys Gly Ser Thr Ile Lys Ile Leu Leu Tyr
35 40 45

Phe Phe His His Ile Tyr Ala Ser Leu His Thr Phe Ile Pro Leu Pro
50 55 60

Asn Pro Ser Ile Phe Leu Cys Ile Ser Lys Tyr Ile Ala Asp Ile Ser
65 70 75 80

Thr

<210> 270

<211> 52

<212> PRT

<213> Homo sapiens

<400> 270

Met Ser Lys Lys Ser Val Ser Tyr Lys Ile Arg Tyr Phe Ser Gln Ala
1 5 10 15

Trp Gln Leu Met Pro Val Ile Leu Val Leu Trp Glu Ala Glu Ala Gly
20 25 30

Gly Ser Leu Glu Ala Arg Gln Asp His Ile Val Arg Leu Cys Leu Cys
35 40 45

Lys Lys Lys Lys

50

<210> 271

<211> 83

<212> PRT

<213> Homo sapiens

<400> 271

Met Leu Cys Ser Ser Phe Leu Pro Leu Ser Thr Ala Ala Ile Trp Ala
1 5 10 15

Ala Leu Phe Ser Gly Met Gly Ala Val Arg His Ser Pro Ser Glu Gly
20 25 30

Lys Arg Ser Leu Lys Ser Ser Arg Cys Leu His Phe Trp Pro Leu Pro
35 40 45

Thr Gly Cys Ser Ser Pro Pro Pro Cys Asn Val Thr Thr Lys Asn
50 55 60

Val Ser Arg Cys Cys Gln Lys Ser Ser Arg Asp Gly Arg Val Arg Leu

65

70

75

80

Pro Pro Arg

<210> 272

<211> 84

<212> PRT

<213> Homo sapiens

<400> 272

Met Gly Leu Arg Leu Pro Pro Pro Leu Cys Trp Phe Leu Cys Leu Thr
1 5 10 15

Ser Thr Gly Gln Val Pro Met Ala Gln Ala Arg Ala Gly Val Gln Gly
20 25 30

Pro Met Asp Gly Arg Met Pro Ser Asn Gly Cys Leu Pro Val Ser Pro
35 40 45

Arg Thr Pro Tyr Gly Met Pro Tyr Leu Gly Ala Leu Trp Pro Cys Trp
50 55 60

Pro Cys Ser Trp Gln Gly Arg Ser Thr Ser Arg His Pro Cys Gln Gln
65 70 75 80

Asp Leu Ser Gly

<210> 273

<211> 230

<212> PRT

<213> Homo sapiens

<400> 273

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
1 5 10 15

Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
20 25 30

Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
35 40 45

Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
50 55 60

Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
65 70 75 80

Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Glu Pro Gly Glu Glu
85 90 95

Gly Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln
100 105 110

Thr His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val			
115	120	125	
Leu Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr			
130	135	140	
Cys Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr			
145	150	155	160
Ala Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val Lys Val Val Thr			
165	170	175	
Phe Cys Gly His Thr Ser Lys Thr Asn Gln Val Asn Ser Gly Gly Val			
180	185	190	
Leu Leu Arg Leu Gln Val Gly Glu Glu Val Trp Leu Ala Val Asn Asp			
195	200	205	
Tyr Tyr Asp Met Val Gly Ile Gln Gly Ser Asp Ser Val Phe Ser Gly			
210	215	220	
Phe Leu Leu Phe Pro Asp			
225	230		

<210> 274
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 274			
Met Cys Ala Met Ala Pro Leu Trp Ser Pro Leu Cys Pro Ser Ile Cys			
1	5	10	15
Met Cys Ser Val Ser Leu Ala Cys Val Arg Val Arg Val Ser Ala Tyr			
20	25	30	
Ala Ser Thr His Trp Ala Leu Gly Cys Ser Gln Gly Lys Phe Asp Leu			
35	40	45	
Glu Arg Leu Ser Ser Pro Trp Asn Gln Asp Phe Leu Ser Pro Pro His			
50	55	60	
Pro Gly Pro Val Pro Pro Trp Leu Ser Gly Tyr Trp Gly Met Glu Thr			
65	70	75	80
Leu Gly Glu			

<210> 275
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 275			
Met Arg Pro Gln Glu Leu Pro Arg Leu Ala Phe Pro Leu Leu Leu			
1	5	10	15

Leu	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Pro	Cys	Pro	Ala	His	Ser	Ala	Thr
20					25						30				
Arg	Phe	Asp	Pro	Thr	Trp	Glu	Ser	Leu	Asp	Ala	Arg	Gln	Leu	Pro	Ala
35					40						45				
Trp	Phe	Asp	Gln	Ala	Lys	Phe	Gly	Ile	Phe	Ile	His	Trp	Gly	Val	Phe
50					55						60				
Ser	Val	Pro	Ser	Phe	Gly	Ser	Glu	Trp	Phe	Trp	Leu	Tyr	Leu	Val	Gly
65					70						75			80	
Val	Arg	Ile	Phe	Val	Glu	Leu	Glu	Cys	His	Arg					
	85				90										

<210> 276
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 276																
Met	Leu	Glu	Thr	Gly	Leu	Phe	Phe	Leu	Leu	Ser	Trp	Ser	Ala	Phe	Leu	
1				5				10					15			
Ser	Ala	Glu	Ala	Ala	Gly	Leu	Thr	Gly	Ile	Val	Ala	Val	Leu	Phe	Cys	
	20				25								30			
Gly	Val	Thr	Gln	Ala	His	Tyr	Thr	Tyr	Asn	Asn	Leu	Ser	Ser	Asp	Ser	
	35				40								45			
Lys	Ile	Arg	Thr	Lys	Gln	Leu	Phe	Glu	Phe	Met	Asn	Phe	Leu	Ala	Glu	
	50				55								60			
Asn	Val	Ile	Phe	Cys	Tyr	Met	Gly	Leu	Ala	Leu	Phe	Thr	Phe	Gln	Asn	
	65				70								75		80	
His	Ile	Phe	Asn	Ala	Leu	Phe	Ile	Leu	Gly	Ala	Phe	Leu	Ala	Ile	Phe	
		85					90						95			
Val	Ala	Arg	Ala	Cys	Asn	Ile	Tyr	Pro	Leu	Ser	Phe	Leu	Leu	Asn	Leu	
		100				105							110			
Gly	Arg	Lys	Gln	Lys	Ile	Pro	Trp	Asn	Phe	Gln	His	Met	Met	Met	Phe	
	115				120								125			
Ser	Gly	Leu	Arg	Gly	Ala	Ile	Ala	Phe	Ala	Leu	Ala	Ile	Arg	Asn	Thr	
	130				135								140			
Glu	Ser	Gln	Pro	Lys	Gln	Met	Met	Phe	Thr	Thr	Thr	Leu	Leu	Leu	Val	
	145				150								155		160	
Phe	Phe	Thr	Val	Trp	Val	Phe	Gly	Gly	Thr	Thr	Pro	Met	Leu	Thr		
	165				170								175			
Trp	Leu	Gln	Ile	Arg	Val	Gly	Val	Asp	Leu	Asp	Glu	Asn	Leu	Lys	Glu	
		180				185							190			

Asp Pro Ser Ser Gln His Gln Glu Ala Asn Asn Leu Asp Lys Asn Met
 195 200 205
 Thr Lys Ala Glu Ser Ala Arg Leu Phe Arg Met Trp Tyr Ser Phe Asp
 210 215 220
 His Lys Tyr Leu Lys Pro Ile Leu Thr His Ser Gly Pro Pro Leu Thr
 225 230 235 240
 Thr Thr Leu Pro Glu Trp Cys Gly Pro Ile Ser Arg Leu Leu Thr Ser
 245 250 255
 Pro Gln Ala Tyr Gly Glu Gln Leu Lys Glu Asp Asp Val Glu Cys Ile
 260 265 270
 Val Asn Gln Asp Glu Leu Ala Ile Asn Tyr Gln Glu Gln Ala Ser Ser
 275 280 285
 Pro Cys Ser Pro Pro Ala Arg Leu Gly Leu Asp Gln Lys Ala Ser Pro
 290 295 300
 Gln Thr Pro Gly Lys Glu Asn Ile Tyr Glu Gly Asp Leu Gly Leu Gly
 305 310 315 320
 Gly Tyr Glu Leu Lys Leu Glu Gln Thr Leu Gly Gln Ser Gln Leu Asn
 325 330 335

<210> 277
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 277
 Met Gln Trp Leu Leu Ile Thr Pro Arg Leu Phe Tyr Phe Pro Leu Leu
 1 5 10 15
 Leu Leu Trp Leu Val Ser Val Lys Phe Leu Phe Ile Phe Ile Phe Gly
 20 25 30
 Asp Gly Gln Gly Leu Ala Pro Ser Leu Arg Pro Glu Cys Ser Gly Ala
 35 40 45
 Ile Met Ala His His Ser Leu Asp Phe Gln Gly Leu Ser Tyr Pro Pro
 50 55 60
 Thr Leu Ala Ser Ala Gly Ala Gly Thr Thr Gly Met His His His Ala
 65 70 75 80
 Gln Leu Ile Phe Lys Phe Phe Tyr Arg Asp Gly Val Ser Leu Cys Gly
 85 90 95
 Leu Gly Trp Ser Gln Thr Pro Gly His Lys
 100 105

<210> 278
<211> 131
<212> PRT
<213> Homo sapiens

<400> 278
Met Gly Ala Ser Leu Cys Leu Thr Gln Leu Leu Leu Leu Gly Lys
1 5 10 15
Gly Gly Leu Gly Gln Ala Ser Ile Pro Leu Val Lys Thr Pro Ala Gly
20 25 30
His Gln Ala Phe Trp Thr Arg Thr His Thr His Thr His Thr
35 40 45
His Thr Lys Leu His Ser Arg Pro Ala Ala Val Thr Cys His Gln Glu
50 55 60
Ser Pro Gln Leu Arg Pro Pro Pro Ile Leu Ser Tyr Glu Lys Pro Leu
65 70 75 80
Leu Trp Gly Arg Arg Leu Glu Lys Val Gly Cys Gly Gln Glu Gly
85 90 95
Pro Cys Arg Ala Gly Gly Trp Val Trp Leu Ser Arg Cys Phe Pro Glu
100 105 110
Gly Ser Ala Gly Ile Arg Gly Ser Cys Gly Arg Glu Arg Ala Pro Ala
115 120 125
Ser Trp Leu
130

<210> 279
<211> 81
<212> PRT
<213> Homo sapiens

<400> 279
Met Cys Val His Thr Cys Val Cys Met Cys Val His Thr Cys Val Cys
1 5 10 15
Val His Ala Cys Val Trp Ala His Val Cys Met Cys Val Cys Glu Cys
20 25 30
Val Cys Trp Gly Gly Met Ala Leu Gly Lys Val Cys Pro Gly Trp
35 40 45
Lys Pro His Ser Leu Pro Ser Ala Trp Arg Trp Ala Cys Ala Trp Arg
50 55 60
Pro Ile Ala Arg Arg Leu Arg Pro Thr Gly Ala Thr Ser Thr Val Pro
65 70 75 80
Leu

<210> 280
<211> 108
<212> PRT
<213> Homo sapiens

<400> 280
Met His Pro Pro Pro Gly Val Trp Leu Leu His Leu His Thr Pro Leu
1 5 10 15

Arg Gly Phe Cys Leu Pro Leu Pro Leu Arg Ser Gln Glu Ala Val Pro
20 25 30

Gly Arg Gly Arg Arg His Leu Ser Pro Gln Leu Leu Thr Pro His Pro
35 40 45

Leu Thr Ser Ser Pro Phe Val Lys Tyr Thr Gln Asp Glu Thr Cys Thr
50 55 60

Gln Trp Leu Thr Ala Ala Arg Phe Val Thr Ala Arg Gly Gly Glu His
65 70 75 80

Arg Thr Pro Ser Glu Gly Glu Gly Ile Ser Thr Ala Pro Pro Pro Cys
85 90 95

Trp Asn Glu Thr Gln Pro Gln Gly Gly Ala Lys Leu
100 105

<210> 281
<211> 49
<212> PRT
<213> Homo sapiens

<400> 281
Met Ser Cys Thr Leu Leu Ile Cys Thr Val Val Leu Gly Val Thr Thr
1 5 10 15

Pro Ala Ile Gly Pro Ala Ala Pro Ser Leu Leu Ala Thr Pro Pro Gln
20 25 30

Ala Ala Ala Ala Thr Met Gln Pro Arg Leu Gly Arg Ala Ala Gly Ala
35 40 45

Ala

<210> 282
<211> 187
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 282

Xaa Ala Arg Asp Leu Leu Gln Ala Leu Arg His Pro Lys Ala Val Ala	1	5	10	15
Phe Gly Glu Met Gly Leu Asp Tyr Ser Tyr Lys Cys Thr Thr Pro Val	20	25	30	
Pro Glu Gln His Lys Val Phe Glu Arg Gln Leu Gln Leu Ala Val Ser	35	40	45	
Leu Lys Lys Pro Leu Val Ile His Cys Arg Glu Ala Asp Glu Asp Leu	50	55	60	
Leu Glu Ile Met Lys Lys Phe Val Pro Pro Asp Tyr Lys Ile His Arg	65	70	75	80
His Cys Phe Thr Gly Ser Tyr Pro Val Ile Glu Pro Leu Leu Lys Tyr	85	90	95	
Phe Pro Asn Met Ser Val Gly Phe Thr Ala Val Leu Thr Tyr Ser Ser	100	105	110	
Ala Trp Glu Ala Arg Glu Ala Leu Arg Gln Ile Pro Leu Glu Arg Ile	115	120	125	
Ile Val Glu Thr Asp Ala Pro Tyr Phe Leu Pro Arg Gln Val Pro Lys	130	135	140	
Ser Leu Cys Gln Tyr Ala His Pro Gly Leu Ala Leu His Thr Val Arg	145	150	155	160
Glu Ile Ala Arg Val Lys Asp Gln Pro Leu Ser Leu Thr Leu Ala Ala	165	170	175	
Leu Arg Glu Asn Thr Ser Arg Leu Tyr Ser Leu	180	185		

<210> 283
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 283

Met Val Pro Cys Arg Lys Thr Leu Leu Phe Leu Trp Val Gly Ser Leu	1	5	10	15
Cys Arg Asp Val Gly Ser Trp Ser Gly Trp Pro Phe Gly Leu Ser Thr	20	25	30	
Ala Thr Gln Pro Arg Leu Arg Leu Gly Lys Gln Thr Gly Ala Gly Gln	35	40	45	

Ala Arg Arg Ala Cys Arg Thr Val Ile Leu Arg Cys Gly Ser Cys Cys
50 55 60

Arg Gly Arg Arg Thr Gly Ser Val Val Ala Trp Ser Ser Leu Pro Xaa
65 70 75 80

Arg Thr Ser Ala Ala Glu Leu Arg Trp Arg Pro Trp Gly Pro Val
85 90 95

<210> 284

<211> 175

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 284

Met Ala Thr Pro Xaa Gly Leu Gly Ala Leu Leu Leu Leu Leu Leu
1 5 10 15

Pro Thr Ser Gly Gln Glu Lys Pro Thr Glu Gly Pro Arg Asn Thr Cys
20 25 30

Leu Gly Ser Asn Asn Met Tyr Asp Ile Phe Asn Leu Asn Asp Lys Ala
35 40 45

Leu Cys Phe Thr Lys Cys Arg Gln Ser Gly Ser Asp Ser Cys Asn Val
50 55 60

Glu Asn Leu Gln Arg Tyr Trp Leu Asn Tyr Glu Ala His Leu Met Lys
65 70 75 80

Glu Gly Leu Thr Gln Lys Val Asn Thr Pro Phe Leu Lys Ala Leu Val
85 90 95

Gln Asn Leu Ser Thr Asn Thr Ala Glu Asp Phe Tyr Phe Ser Leu Glu
100 105 110

Pro Ser Gln Val Pro Arg Gln Val Met Lys Asp Glu Asp Lys Pro Pro
115 120 125

Asp Arg Val Arg Leu Pro Lys Ser Leu Phe Arg Ser Leu Pro Gly Asn
130 135 140

Arg Ser Val Val Arg Leu Ala Val Thr Ile Leu Asp Ile Gly Pro Gly
145 150 155 160

Thr Leu Phe Lys Val Arg Thr Gln Gly Ser Ser Lys Val Lys Cys
165 170 175

<210> 285

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 285

Met Ala Ala Phe Ala Thr Ala His Leu Leu Tyr Val Trp Ala Phe Gly
1 5 10 15

Phe Ser Pro Leu Gln Pro Gly Leu Leu Leu Ile Ile Leu Ala Pro
20 25 30

Gly Pro Tyr Leu Ser Leu Val Leu Gln His Leu Glu Pro Asp Met Val
35 40 45

Leu Pro Val Ala Ala Tyr Gly Leu Ile Leu Met Ala Met Leu Trp Arg
50 55 60

Gly Leu Ala Gln Gly Gly Ser Ala Gly Trp Gly Ala Leu Leu Phe Thr
65 70 75 80

Leu Ser Asp Gly Val Leu Ala Trp Asp Thr Phe Ala Gln Pro Leu Pro
85 90 95

His Ala Xaa Leu Val Ile Met Thr Thr Tyr Tyr Ala Ala Gln Leu Leu
100 105 110

Ile Thr Leu Ser Ala Leu Arg Ser Pro Val Pro Lys Thr Asp
115 120 125

<210> 286

<211> 187

<212> PRT

<213> Homo sapiens

<400> 286

Met Trp Cys Ala Ser Pro Val Ala Val Val Ala Phe Cys Ala Gly Leu
1 5 10 15

Leu Val Ser His Pro Val Leu Thr Gln Gly Gln Glu Ala Gly Gly Arg
20 25 30

Pro Gly Ala Asp Cys Glu Val Cys Lys Glu Phe Leu Asn Arg Phe Tyr
35 40 45

Lys Ser Leu Ile Asp Arg Gly Val Asn Phe Ser Leu Asp Thr Ile Glu
50 55 60

Lys Glu Leu Ile Ser Phe Cys Leu Asp Thr Lys Gly Lys Glu Asn Arg
65 70 75 80

Leu Cys Tyr Tyr Leu Gly Ala Thr Lys Asp Ala Ala Thr Lys Ile Leu
85 90 95

Ser Glu Val Thr Arg Pro Met Ser Val His Met Pro Ala Met Lys Ile
100 105 110

Cys Glu Lys Leu Lys Lys Leu Asp Ser Gln Ile Cys Glu Leu Lys Tyr
115 120 125

Glu Lys Thr Leu Asp Leu Ala Ser Val Asp Leu Arg Lys Met Arg Val
130 135 140

Ala Glu Leu Lys Gln Ile Leu His Ser Trp Gly Glu Glu Cys Arg Ala
145 150 155 160

Cys Ala Glu Lys Thr Asp Tyr Val Asn Leu Ile Gln Glu Leu Ala Pro
165 170 175

Lys Tyr Ala Ala Thr His Pro Lys Thr Glu Leu
180 185

<210> 287
<211> 214
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (186)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (188)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (202)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (203)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (204)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (211)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 287

Met Ser Arg Gly Leu Leu Ala Val Arg Gly Ala Phe Val Gly Ala Ser
1 5 10 15

Leu Leu Phe Leu Leu Val Asn Val Leu Cys Ala Val Leu Ser His Arg
20 25 30

Arg Arg Ala Gln Pro Trp Ala Leu Leu Val Arg Val Leu Val Ser
35 40 45

Asp Ser Leu Phe Val Ile Cys Ala Leu Ser Leu Ala Ala Cys Leu Cys
50 55 60

Leu Val Ala Arg Arg Ala Pro Ser Thr Ser Ile Tyr Leu Glu Ala Lys
65 70 75 80

Gly Thr Ser Val Cys Gln Ala Ala Ala Met Gly Gly Ala Met Val Leu
85 90 95

Leu Tyr Ala Ser Arg Ala Cys Tyr Asn Leu Thr Ala Leu Ala Leu Ala
100 105 110

Pro Gln Ser Arg Leu Asp Thr Phe Asp Tyr Asp Trp Tyr Asn Val Ser
115 120 125

Asp Gln Ala Asp Leu Val Asn Asp Leu Gly Asn Lys Gly Tyr Leu Val
130 135 140

Phe Gly Leu Ile Leu Phe Val Trp Glu Leu Leu Pro Thr Thr Leu Leu
145 150 155 160

Val Gly Phe Phe Arg Val His Arg Pro Pro Gln Asp Leu Ser Thr Ser
165 170 175

His Ile Pro Gln Trp Ala Arg Ser Phe Xaa Ser Xaa Xaa Leu Leu Leu
180 185 190

Leu Thr Gly Ala Trp Ala Leu Xaa Lys Xaa Xaa Xaa Ala Xaa Phe Leu
195 200 205

Gly Thr Xaa Thr Arg Val
210

<210> 288

<211> 254

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (212)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (214)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (245)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (248)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 288
Phe Leu Leu Val Asn Val Leu Cys Ala Val Leu Ser His Arg Arg Arg
1 5 10 15

Ala Gln Pro Trp Ala Leu Leu Val Arg Val Leu Val Ser Asp Ser
20 25 30

Leu Phe Val Ile Cys Ala Leu Ser Leu Ala Ala Cys Leu Cys Leu Val
35 40 45

Ala Arg Arg Ala Pro Ser Thr Ser Ile Tyr Leu Glu Ala Lys Gly Thr
50 55 60

Ser Val Cys Gln Ala Ala Ala Met Gly Gly Ala Met Val Leu Leu Tyr
65 70 75 80

Ala Ser Arg Ala Cys Tyr Asn Leu Thr Ala Leu Ala Leu Ala Pro Gln
85 90 95

Ser Arg Leu Asp Thr Phe Asp Tyr Asp Trp Tyr Asn Val Ser Asp Gln
100 105 110

Ala Asp Leu Val Asn Asp Leu Gly Asn Lys Gly Tyr Leu Val Phe Gly
115 120 125

Leu Ile Leu Phe Val Trp Glu Leu Leu Pro Thr Thr Leu Leu Val Xaa
130 135 140

Phe Phe Arg Val His Arg Pro Pro Gln Asp Leu Ser Thr Ser His Ile
145 150 155 160

Leu Asn Gly Gln Val Phe Ala Ser Arg Ser Tyr Phe Phe Asp Arg Ala
165 170 175

Gly His Cys Glu Asp Glu Gly Cys Ser Trp Glu His Ser Arg Gly Glu
180 185 190

Ser Thr Ser Met Ser Gly Ser Leu Gly Ser Gly Ser Trp Tyr Gly Ala
 195 200 205
 Ile Gly Arg Xaa Pro Xaa Trp Tyr Gly Gly Ser Gln Thr Lys Thr Thr
 210 215 220
 Pro Leu Ser Leu Gln Cys Arg Gln Arg Thr His Ser Leu Ser Pro Asn
 225 230 235 240
 Gly Pro Leu Gln Xaa Pro Ala Xaa Leu Leu Ala Gly Ser Val
 245 250

<210> 289
 <211> 221
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (210)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (215)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (217)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 289
 Met Gly Gly Met Ile Ile Val Leu Leu Ile Cys Ile Val Trp Phe Pro
 1 5 10 15

Leu Leu Phe Met Ser Leu Ile Lys Ser Val Ala Gly Val Ile Asn Gln
 20 25 30

Pro Leu Asp Val Ser Val Thr Ile Thr Leu Gly Gly Tyr Gln Pro Ile
 35 40 45

Phe Thr Met Ser Ala Gln Gln Ser Gln Leu Lys Ile Met Asp Gln Gln
 50 55 60

Ser Phe Asn Lys Phe Ile Gln Ala Phe Ser Arg Asp Thr Gly Ala Met
 65 70 75 80

Gln Phe Leu Glu Asn Tyr Glu Lys Glu Asp Ile Thr Val Ala Glu Leu
 85 90 95

Glu Gly Asn Ser Asn Ser Leu Trp Thr Ile Ser Pro Pro Ser Lys Gln
 100 105 110

Lys Met Ile His Glu Leu Leu Asp Pro Asn Ser Ser Phe Ser Val Val
 115 120 125

Phe Ser Trp Ser Ile Gln Arg Asn Leu Ser Leu Gly Ala Lys Ser Glu

130	135	140
Ile Ala Thr Asp Lys Leu Ser Phe Pro Leu Lys Asn Ile Thr Arg Lys		
145	150	155
Asn Ile Ala Lys Met Ile Ala Gly Asn Ser Thr Glu Ser Ser Lys Thr		
165	170	175
Pro Val Thr Ile Glu Lys Ile Tyr Pro Tyr Tyr Val Lys Ala Pro Ser		
180	185	190
Asp Ser Asn Ser Lys Pro Ile Lys Gln Leu Leu Ser Glu Asn Asn Ser		
195	200	205
Trp Xaa Leu Pro Ser Phe Xaa Gln Xaa His Thr Leu Asn		
210	215	220

<210> 290
 <211> 135
 <212> PRT
 <213> Homo sapiens

<400> 290		
Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe		
1	5	10
Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala		
20	25	30
Leu Leu Leu Val Leu Ile Phe Leu Phe Val Val Ser Tyr Trp Leu Phe		
35	40	45
Tyr Gly Val Arg Ile Leu Asp Ser Arg Asp Arg Asn Tyr Gln Gly Ile		
50	55	60
Val Gln Tyr Ala Val Ser Leu Val Asp Ala Leu Leu Phe Ile His Tyr		
65	70	75
Leu Ala Ile Val Leu Leu Glu Leu Arg Gln Leu Gln Pro Met Phe Thr		
85	90	95
Leu Gln Val Val Pro Leu His Arg Trp Arg Val Pro Leu Leu Gln Pro		
100	105	110
Gly Thr Pro Glu Tyr Pro Ala Ser Ser Ile Gly Gly Pro Arg Lys Leu		
115	120	125
Leu Gln Arg Phe His His Leu		
130	135	

<210> 291
 <211> 295
 <212> PRT
 <213> Homo sapiens

<400> 291

Met Leu Cys Cys Trp Phe Pro Trp Arg Ile Leu Ala Ala Gly Gln Val
 1 5 10 15

Pro Tyr Ser Pro His Ser Pro Gln Val Ala Gly Cys Asp Leu Thr Arg
 20 25 30

Cys Glu Ser Gly Gly Ala Arg Ala Leu Ser Ile Gln Arg Ala Ala Leu
 35 40 45

Val Val Leu Glu Asn Tyr Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn
 50 55 60

Leu Leu Thr Ala Ser Lys Phe Arg Ala Ala Lys His Met Ala Gly Leu
 65 70 75 80

Lys Val Tyr Asn Val Asp Gly Pro Ser Asn Asn Ala Thr Gly Gln Ser
 85 90 95

Arg Ala Met Ile Ala Ala Ala Arg Arg Arg Asp Ser Ser His Asn
 100 105 110

Glu Leu Tyr Tyr Glu Glu Ala Glu His Glu Arg Arg Val Lys Lys Arg
 115 120 125

Lys Ala Arg Leu Val Val Ala Val Glu Glu Ala Phe Ile His Ile Gln
 130 135 140

Arg Leu Gln Ala Glu Glu Gln Gln Lys Ala Pro Gly Glu Val Met Asp
 145 150 155 160

Pro Arg Glu Ala Ala Gln Ala Ile Phe Pro Ser Met Ala Arg Ala Leu
 165 170 175

Gln Lys Tyr Leu Arg Ile Thr Arg Gln Gln Asn Tyr His Ser Met Glu
 180 185 190

Ser Ile Leu Gln His Leu Ala Phe Cys Ile Thr Asn Gly Met Thr Pro
 195 200 205

Lys Ala Phe Leu Glu Arg Tyr Leu Ser Ala Gly Pro Thr Leu Gln Tyr
 210 215 220

Asp Lys Asp Arg Trp Leu Ser Thr Gln Trp Arg Leu Val Ser Asp Glu
 225 230 235 240

Ala Val Thr Asn Gly Leu Arg Asp Gly Ile Val Phe Val Leu Lys Cys
 245 250 255

Leu Asp Phe Ser Leu Val Val Asn Val Lys Lys Ile Pro Phe Ile Ile
 260 265 270

Leu Ser Glu Glu Phe Ile Asp Pro Lys Ser His Lys Phe Val Leu Arg
 275 280 285

Leu Gln Ser Glu Thr Ser Val
 290 295

<210> 292
<211> 85
<212> PRT
<213> Homo sapiens

<400> 292
Met Asp Thr Tyr Phe Ile Leu Trp Ala Ile Pro Val Thr Ile Ile Ile
1 5 10 15

Cys Phe Ser Trp Leu Glu Tyr Ser Gln Thr Trp Ala Leu Gly Ala Ser
20 25 30

Cys Ser Leu Pro Gln Cys Pro Phe Asp Val Met Leu Ser Leu Phe Leu
35 40 45

Val His Pro Tyr Phe Pro Thr Val Trp Asp His Leu Cys Phe Pro His
50 55 60

Pro Ser Pro Glu Ser Ser Pro Phe Ser Lys Cys Ser Leu Val Ala Trp
65 70 75 80

Leu Glu Asn Gly Ala
85

<210> 293
<211> 196
<212> PRT
<213> Homo sapiens

<400> 293
Thr Gln Arg Met Ser Gly Lys His Tyr Lys Gly Pro Glu Val Ser Cys
1 5 10 15

Cys Ile Lys Tyr Phe Ile Phe Gly Phe Asn Val Ile Phe Trp Phe Leu
20 25 30

Gly Ile Thr Phe Leu Gly Ile Gly Leu Trp Ala Trp Asn Glu Lys Gly
35 40 45

Val Leu Ser Asn Ile Ser Ser Ile Thr Asp Leu Gly Gly Phe Asp Pro
50 55 60

Val Trp Leu Phe Leu Val Val Gly Gly Val Met Phe Ile Leu Gly Phe
65 70 75 80

Ala Gly Cys Ile Gly Ala Leu Arg Glu Asn Thr Phe Leu Leu Lys Phe
85 90 95

Phe Ser Val Phe Leu Gly Ile Ile Phe Phe Leu Glu Leu Thr Ala Gly
100 105 110

Val Leu Ala Phe Val Phe Lys Asp Trp Ile Lys Asp Gln Leu Tyr Phe
115 120 125

Phe Ile Asn Asn Asn Ile Arg Ala Tyr Arg Asp Asp Ile Asp Leu Gln
130 135 140

Asn Leu Ile Asp Phe Thr Gln Glu Tyr Ile Pro Met Gln Val Glu Ser
180

145	150	155	160
Asp Val Ala Phe His Ser Pro Ala Ala Leu Lys Ile Pro Gln Lys Met			
165	170	175	
Ser Ser Thr Leu Ser Val Ala Met Met Pro Gly Lys Asn Gln Lys Leu			
180	185	190	
Thr Ser Arg Leu			
195			

<210> 294			
<211> 58			
<212> PRT			
<213> Homo sapiens			
<220>			
<221> SITE			
<222> (8)			
<223> Xaa equals any of the naturally occurring L-amino acids			

<220>			
<221> SITE			
<222> (16)			
<223> Xaa equals any of the naturally occurring L-amino acids			

<400> 294			
Val Ser Leu Lys Leu Val Ile Xaa Leu Ser Trp Asn Leu Ile Thr Xaa			
1	5	10	15

Val Trp Phe His Lys Asn Leu Thr Phe Gly Ser Trp Leu Ile His Trp			
20	25	30	

Glu Gly Pro Ser Gly Phe Phe Asn Phe Gly Gly Ser Gly Leu Gly Lys			
35	40	45	

Phe Phe His Leu Lys Leu Asn Leu Met Gly			
50	55		

<210> 295			
<211> 133			
<212> PRT			
<213> Homo sapiens			
<400> 295			
Met His Gly Ala Arg Leu Phe Val Cys Leu Phe Val Cys Phe Arg Gln			
1	5	10	15

Ser Cys Tyr Val Ala Gln Ala Gly Val Gln Trp His Asn His Ser Ser			
20	25	30	

Leu Gln Pro Leu Ser Pro Gly Phe Lys Arg Phe Phe Cys Leu Asn Leu			
35	40	45	

Pro Ser Ser Trp Asp Tyr Arg His Met Ala Thr Cys Pro Trp Leu Ile			
50	55	60	

Phe Val Phe Leu Val Glu Met Glu Phe Arg His Val Gly Gln Ala Gly
65 70 75 80
Leu Gly Leu Leu Thr Ser Ser Asp Leu Pro Ala Leu Ala Phe Gln Ser
85 90 95
Ala Gly Ile Thr Gly Leu Ser His His Ala Trp Pro Gly Arg Phe Leu
100 105 110
Lys Lys Val Ile Glu Ile Cys Ser Cys Pro Val Pro Arg Gly Ser His
115 120 125
Ala Gly Leu Phe Ser
130

<210> 296
<211> 74
<212> PRT
<213> Homo sapiens

<400> 296
Ser Lys Thr Gly Ile Val Leu Gln Thr Phe Arg Ala Glu Phe Gln Glu
1 5 10 15

Leu Lys Ser Glu Lys Gln Gln Ala Ala Phe Pro Lys Arg Tyr Thr Cys
20 25 30

Phe Gly His Gln Arg Arg Thr Glu Leu Arg Ala Ala Val Glu Asn Leu
35 40 45

Lys His Ser Ala Glu Phe Leu Ser Ala Pro Leu Ala Asn Lys Leu Lys
50 55 60

Cys Gln Thr Ala Leu Ala Ala Gly Tyr Phe
65 70

<210> 297
<211> 133
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 297
Met Ala Pro Ala Gly Cys Cys Cys Cys Cys Cys Phe Trp Gly Gly Ala
1 5 10 15

Val Ala Ala Ala Gly Ala Ala Arg Arg Val Leu Leu Leu Leu Leu
20 25 30

Gly Xaa Leu Ser Ala Arg Leu Arg Pro Gly Ala Leu Ala Thr Glu His
35 40 45

Tyr Ser Pro Leu Ala Leu Lys Gln Glu Leu Xaa His Arg Gln Gln
50 55 60

Gln Glu Ala Pro Xaa Gly Gly Gly Cys Ser Pro Gln Ser Gly Asp
65 70 75 80

Trp Gly Asp Gln Tyr Ser Ala Glu Cys Gly Glu Ser Ser Phe Leu Xaa
85 90 95

Phe His Asp Ser Asp Cys Glu Pro Gln Gly Ser Ser Pro Cys Asp Ser
100 105 110

Leu Leu Ser Leu Asn Thr Ala Lys Ile Leu Ser Gln Ala Lys Ser Ile
115 120 125

Ala Glu Gln Lys Arg
130

<210> 298
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 298

Met Thr Ser Gln Asn Leu Trp Val Ile Val Val Ile Ala Asn Ser Ile
1 5 10 15

Leu Val Ile Val Ala Gln Tyr Arg Asp Glu Gly Asn Arg Phe Cys Asn
20 25 30

Gln Met Ile Leu Gly Ser Glu Ser Thr Leu Pro Leu Thr Ser Tyr Met
35 40 45

Thr Ser Ser Asn Phe His His Leu Ser Met Leu Gln Phe Pro His Arg
50 55 60

Gln Asp Gly Cys Gly Gly Arg Gly Thr Thr Val Gln Ile His His Pro
65 70 75 80

Lys Phe Lys Met Leu Gln Asn Leu Xaa Arg Xaa Trp Trp Leu Ile Pro
85 90 95

Val Ile Pro Ala Leu Xaa Glu Val Lys Xaa Asp Gly
100 105

<210> 299

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 299

Asn Phe Leu Glu Pro Lys Cys Asp Ala Thr Ser Gly Lys Phe His Asn
1 5 10 15

Ser Ser Xaa Val Ile Asp Cys Ser Gly Asn Ala Gly Thr His His Glu
20 25 30

Val Tyr Ser Ala Ser Ser Lys Glu Ile Pro Val Ser Ser Tyr Ile Ser
35 40 45

Phe Ser His Met Pro Asp Arg Tyr Leu Ser Ser Phe Thr Val Arg Tyr
50 55 60

Phe Cys Val Glu
65

<210> 300

<211> 194

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 300

Met Met Trp Leu Leu Leu Thr Thr Cys Leu Ile Cys Gly Thr Leu
1 5 10 15

Asn Ala Gly Gly Phe Leu Asp Leu Glu Asn Glu Val Asn Pro Glu Val
20 25 30

Trp Met Asn Thr Ser Glu Ile Ile Tyr Asn Gly Tyr Pro Ser Glu
35 40 45

Glu Tyr Glu Val Thr Thr Glu Asp Gly Tyr Ile Leu Leu Val Asn Arg
50 55 60

Ile Pro Tyr Gly Arg Thr His Ala Arg Ser Thr Gly Pro Arg Pro Val
65 70 75 80

Val Tyr Met Gln His Ala Leu Phe Ala Asp Asn Ala Tyr Trp Leu Glu
85 90 95

Asn Tyr Ala Asn Gly Ser Leu Gly Phe Leu Leu Ala Asp Ala Gly Tyr
100 105 110

Asp Val Trp Met Gly Asn Ser Arg Gly Asn Thr Trp Ser Arg Arg His
115 120 125

Lys Thr Leu Ser Glu Thr Asp Glu Lys Phe Trp Ala Phe Ser Phe Asp
130 135 140

Glu Met Ala Lys Tyr Asp Leu Pro Gly Val Ile Asp Phe Ile Val Asn
145 150 155 160

Lys Thr Gly Gln Glu Lys Leu Xaa Phe Ile Gly His Ser Leu Gly Thr
165 170 175

Thr Ile Gly Phe Val Ala Phe Ser Pro Cys Leu Asn Trp His Lys Glu
180 185 190

Ser Lys

<210> 301

<211> 87

<212> PRT

<213> Homo sapiens

<400> 301

Met Arg Phe Ile Trp Leu Met Phe Leu Gln Ala Val Gln Ala Ser Gly
1 5 10 15

Lys Gly Leu Arg Lys Leu Pro His Thr Val Glu Asp Glu Gly Glu Pro
20 25 30

Glu Cys Ala Asp Tyr Met Val Arg Glu Trp Lys Gln Glu Arg Gly Ala
35 40 45

Gly	Gly	Ala	Arg	Ile	Phe	Ser	Thr	Ile	Ser	Ser	Trp	Met	Ser	Thr	Val
50															
												60			
Ala	His	Ala	Cys	Asn	Pro	Ser	Thr	Leu	Gly	Ala	Gln	Asp	Gly	Arg	Ile
65															80
Thr	Ser	Ala	Gln	Glu	Phe	Asn									
							85								

<210> 302
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 302															
Met	Asp	Arg	Arg	Arg	Met	Ala	Leu	Arg	Pro	Gly	Ser	Arg	Arg	Pro	Thr
1					5				10						15
Ala	Phe	Phe	Phe	His	Ser	Arg	Trp	Leu	Val	Pro	Asn	Leu	Leu	Ala	Phe
					20				25						30
Phe	Leu	Gly	Leu	Ser	Gly	Ala	Gly	Pro	Ile	His	Leu	Pro	Met	Pro	Trp
					35				40						45
Pro	Asn	Gly	Arg	Arg	His	Arg	Val	Leu	Asp	Pro	His	Thr	Gln	Leu	Ser
					50				55						60
Thr	His	Glu	Ala	Pro	Gly	Arg	Trp	Lys	Pro	Val	Ala	Pro	Arg	Arg	Met
					65				70						80
Lys	Ala	Cys	Pro	Gln	Val	Leu	Leu	Glu	Trp						
					85				90						

<210> 303
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 303															
Met	Met	Ser	Ile	His	Cys	Val	Gln	Pro	Leu	Leu	Pro	Leu	Phe	Leu	Pro
1						5									15
Ser	Ser	Tyr	Phe	Lys	Gln	Phe	Leu	Leu	Leu	Pro	Trp	Thr	Phe	Gly	Val
							20				25				30
Ala	Leu														

<210> 304
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 304
His Thr Phe Ser Asn Cys Leu Leu Glu Arg Leu Tyr Gln Ala Arg Cys
1 5 10 15

Ser Cys Leu Met Pro Val Ile Leu Ala Leu Trp Glu Ala Glu Xaa Xaa
20 25 30

Gly Gln Leu Glu Leu Arg Ser Ser Arg Pro Ala Trp Ala Thr Trp
35 40 45

<210> 305
<211> 245
<212> PRT
<213> Homo sapiens

<400> 305
Met Phe Leu Leu Phe Leu Leu Thr Cys Glu Leu Ala Ala Glu Val Ala
1 5 10 15

Ala Glu Val Glu Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro
20 25 30

Thr Trp Leu Thr Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr
35 40 45

Glu Val Ala Val Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val
50 55 60

Pro Ile Leu His Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly
65 70 75 80

Ile Ser Thr Asp Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn
85 90 95

Thr Ile Cys Leu Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu
100 105 110

Asp Glu Asp Ile Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile
115 120 125

Glu Ile Asn Ser Leu His Met Val Thr Glu Tyr Asn Pro Val Ala Ser
130 135 140

Pro Glu Tyr Glu Glu Asn Met His Arg Tyr Gln Lys Ala Ala Lys Leu
145 150 155 160

Phe Gln Gly Lys Ile Leu Phe Ile Leu Val Asp Ser Gly Met Lys Glu
165 170 175

Asn	Gly	Lys	Val	Ile	Ser	Phe	Phe	Lys	Leu	Lys	Glu	Ser	Gln	Leu	Pro
180								185						190	
Ala	Leu	Ala	Ile	Tyr	Gln	Thr	Leu	Asp	Asp	Glu	Trp	Asp	Thr	Leu	Pro
195							200						205		
Thr	Ala	Glu	Val	Ser	Val	Glu	His	Val	Gln	Asn	Phe	Cys	Asp	Gly	Phe
210						215					220				
Leu	Ser	Gly	Lys	Leu	Leu	Lys	Glu	Asn	Arg	Glu	Ser	Glu	Gly	Lys	Thr
225						230			235					240	
Pro	Lys	Val	Glu	Leu											
					245										

<210> 306
 <211> 140
 <212> PRT
 <213> Homo sapiens

<400> 306															
Met	Phe	Pro	Leu	His	Leu	Ala	Val	Leu	Phe	Gly	Phe	Ser	Asp	Cys	Cys
1					5				10				15		
Arg	Lys	Leu	Leu	Ser	Ser	Gly	Gln	Leu	Tyr	Ser	Ile	Val	Ser	Ser	Leu
					20				25				30		
Ser	Asn	Glu	His	Val	Leu	Ser	Ala	Gly	Phe	Asp	Ile	Asn	Thr	Pro	Asp
						35			40				45		
Asn	Leu	Gly	Arg	Thr	Cys	Leu	His	Ala	Ala	Ala	Ser	Gly	Gly	Asn	Val
						50			55				60		
Glu	Cys	Leu	Asn	Leu	Leu	Leu	Ser	Ser	Gly	Ala	Asp	Leu	Arg	Arg	Arg
						65			70			75		80	
Asp	Lys	Phe	Gly	Arg	Thr	Pro	Leu	His	Tyr	Ala	Ala	Ala	Asn	Gly	Ser
						85			90				95		
Tyr	Gln	Cys	Ala	Val	Thr	Leu	Val	Thr	Ala	Gly	Ala	Gly	Val	Asn	Glu
						100			105				110		
Ala	Asp	Cys	Lys	Gly	Cys	Ser	Pro	Leu	His	Tyr	Ala	Ala	Ser	Asp	
						115			120				125		
Thr	Tyr	Arg	Arg	Ala	Glu	Pro	His	Thr	Pro	Ser	Ser				
						130			135				140		

<210> 307
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 307															
Met	Lys	Arg	Tyr	Ile	Ile	Ser	Leu	Gln	Ser	Pro	Leu	Ser	His	Ser	Ser
1						5			10				15		

Met	Trp	Pro	Ala	Tyr	Leu	Leu	Pro	Ile	Met	Leu	Leu	Ile	His	Leu	Gln
20									25					30	
Ala	Ile	Cys	His	Gln	Ile	Lys	Lys	Gln	Gln	Thr	Glu	Gly	Gln	Ser	Gln
35						40							45		
Asp	Val	Leu	Thr	His	His	Cys	Asn	Phe	Leu	Leu	Glu	Met	Ile	Pro	Phe
50								55			60				
Arg	Lys	Arg	Leu	Val	Glu	Ile	Gly	Val	Lys	Gly	Thr	Leu	Gln	Ile	Ser
65						70			75				80		
Pro	Val	Leu	Ser	Tyr	Phe	Gln	Leu	Tyr	Arg	Gln	Glu	Gln	Phe	Lys	Ser
									85	90			95		
Lys	Glu	Phe	Ser	Arg	Phe	Leu	Gln	Cys	His	Lys	Ala	Val	Ser		
						100			105			110			

<210> 308
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 308															
Met	Pro	Pro	Pro	Phe	Leu	Arg	Lys	Pro	Leu	Ile	Leu	Cys	Val	Phe	Leu
1				5					10					15	
Pro	Thr	Glu	Gly	Asn	Cys	Gly	Gly	Ser	Ser	Leu	Ala	Phe	Leu	Leu	Asn
								20	25				30		
Phe	Ala	Gly	Asn	Ser	Pro	Gln	Phe	Leu	Ser	Glu	Val	Arg	Thr	Val	His
								35	40			45			
Tyr	Gln	Arg	Asp	Trp	Thr	Leu	Tyr	Pro	Leu	Ala	Lys	Trp	Glu	Lys	Ile
								50	55			60			
Leu	Pro	Ala	His	Ser	Thr	Pro	Pro	Trp	Pro	Ser	Pro	Thr	Pro	His	Pro
								65	70		75		80		
Gln	Gln	His	Phe	His	Gly	Asn	Pro	Asp	Gly	Arg	Val	Val	Leu	Trp	Leu
								85			90		95		
Ser	Cys	Asp	Arg	Leu	Ala	Phe	Ile	Leu	Glu	Ser					
								100			105				

<210> 309
 <211> 251
 <212> PRT
 <213> Homo sapiens

<400> 309															
Met	Gly	Pro	Pro	Pro	Gly	Ala	Gly	Val	Ser	Cys	Arg	Gly	Gly	Cys	Gly
1								5			10			15	
Phe	Ser	Arg	Leu	Leu	Ala	Trp	Cys	Phe	Leu	Leu	Ala	Leu	Ser	Pro	Gln

20

25

30

Ala Pro Gly Ser Arg Gly Ala Glu Ala Val Trp Thr Ala Tyr Leu Asn
 35 40 45

Val Ser Trp Arg Val Pro His Thr Gly Val Asn Arg Thr Val Trp Glu
 50 55 60

Leu Ser Glu Glu Gly Val Tyr Gly Gln Asp Ser Pro Leu Glu Pro Val
 65 70 75 80

Ala Gly Val Leu Val Pro Pro Asp Gly Pro Gly Ala Leu Asn Ala Cys
 85 90 95

Asn Pro His Thr Asn Phe Thr Val Pro Thr Val Trp Gly Ser Thr Val
 100 105 110

Gln Val Ser Trp Leu Ala Leu Ile Gln Arg Gly Gly Cys Thr Phe
 115 120 125

Ala Asp Lys Ile His Leu Ala Tyr Glu Arg Gly Ala Ser Gly Ala Val
 130 135 140

Ile Phe Asn Phe Pro Gly Thr Arg Asn Glu Val Ile Pro Met Ser His
 145 150 155 160

Pro Gly Ala Val Asp Ile Val Ala Ile Met Ile Gly Asn Leu Lys Gly
 165 170 175

Thr Lys Ile Leu Gln Ser Ile Gln Arg Gly Ile Gln Val Thr Met Val
 180 185 190

Ile Glu Val Gly Lys Lys His Gly Pro Trp Val Asn His Tyr Ser Ile
 195 200 205

Phe Phe Arg Phe Cys Val Leu Phe Tyr Tyr Tyr Gly Asn Cys Gly
 210 215 220

Leu Phe Tyr Leu Leu Phe Cys Ser Lys Ala Thr Glu Cys Lys Ser Ser
 225 230 235 240

Lys Gln Glu Ala Glu Ala Ile Lys Gly Arg Cys
 245 250

<210> 310

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 310
Met Leu Thr Gln Ser Gln Gln Val Leu Arg Gly Ile Leu Leu Phe Leu
1 5 10 15

Gln Asn Ile Leu Gln Val Ser Trp Gly Ser Pro Leu Ala Leu Ala Ser
20 25 30

Pro Pro Ser Pro Ser Leu Gln Pro Gly Asn Gly Leu Ala Ser Ser Leu
35 40 45

Leu Ala Leu Gln Pro Gly Leu Ala Gly Pro Trp Ala Gly Pro Gln Glu
50 55 60

Pro Ser Pro Ala Met Cys Phe Pro Lys Lys Arg Ser Leu Xaa Pro Asn
65 70 75 80

Leu Arg Lys Gln Trp Ala Ser Ile His Ile Asn Asp Pro Arg Gly Thr
85 90 95

Leu Cys Pro Arg Cys Thr Gly Cys Asn Gln Arg Xaa Ser Gly Xaa Ser
100 105 110

Gly Leu Ile Trp Arg Asp Arg Phe Tyr His His Pro
115 120

<210> 311
<211> 87
<212> PRT
<213> Homo sapiens

<400> 311
Met Thr Trp Ser Phe Cys Phe Ala Leu Phe Cys Phe Val Leu Phe Phe
1 5 10 15

Ala Ala Ser Leu Ile Gly Tyr Ile Leu Leu Pro Ser Ala Ser Pro Arg
20 25 30

Asn His Arg Arg Pro Asn Asn Glu Ala Arg Val Gly Thr Pro Gly Gln
35 40 45

Leu Asp Asp Glu Leu Lys Gly Arg Gln Pro Leu Ala Ser Arg Leu Glu
50 55 60

Thr Ser Gln Cys Thr Gln Gly Leu Leu Ala Ser Arg Pro Ser Gly Val
65 70 75 80

Ser Lys Ala Leu Leu Tyr Pro
85

<210> 312

<211> 84
<212> PRT
<213> Homo sapiens

<400> 312
Met Glu Trp Gln Phe Gly Lys Pro Ser Phe Leu Leu Ser Leu Leu Met
1 5 10 15

Leu Leu Val Leu Glu Trp Lys Ala Leu Cys Gly Val Arg Leu Gly His
20 25 30

Leu Gly Leu Gln Val Pro Asn Pro Ser Leu Lys Ser Thr Cys Leu Trp
35 40 45

Pro Leu Arg Ser Leu Cys Pro Trp Arg Leu Tyr Pro Ile Lys Ile Met
50 55 60

Ile Ser Leu Pro Leu Pro Ser Leu Gln Leu Pro Ser Ser Pro His Arg
65 70 75 80

Pro Phe Gln Leu

<210> 313
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 313
Leu Pro Gly Xaa Cys Phe Asn His Leu Xaa Ile Asn Phe Trp Lys Lys
1 5 10 15

Ile Ile Ile Phe Thr Leu Lys Phe Pro Tyr Ser Lys Tyr Ser Ile Ser
20 25 30

Val Trp Gln Met Asp Glu Trp Ala Asp Ile Ile Gly Ser Tyr His Val
35 40 45

Asp Tyr Glu Glu Val Gln Ser Ile Gln Asn Lys Asn Thr Lys His Ser
50 55 60

Asn Lys Pro Arg Val Cys Gln
65 70

<210> 314
<211> 142

<212> PRT
<213> Homo sapiens

<400> 314
Met Leu Trp Thr Thr Leu Thr Gly Val Ser Leu Ala Leu Phe Pro Val
1 5 10 15

Ala Gln Ala Pro Thr Ala Leu Val Ala Leu Ala Val Ala Tyr Gly Phe
20 25 30

Thr Ser Gly Ala Leu Ala Pro Leu Ala Phe Ser Val Leu Pro Glu Leu
35 40 45

Ile Gly Thr Arg Arg Ile Tyr Cys Gly Leu Gly Leu Leu Gln Met Ile
50 55 60

Glu Ser Ile Gly Gly Leu Leu Gly Pro Pro Leu Ser Gly Tyr Leu Arg
65 70 75 80

Asp Val Thr Gly Asn Tyr Thr Ala Ser Phe Val Val Ala Gly Ala Phe
85 90 95

Leu Leu Ser Gly Ser Gly Ile Leu Leu Thr Leu Pro His Phe Phe Cys
100 105 110

Phe Ser Thr Thr Ser Gly Pro Gln Asp Leu Val Thr Glu Ala Leu
115 120 125

Asp Thr Lys Val Pro Leu Pro Lys Glu Gly Leu Glu Glu Asp
130 135 140

<210> 315
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 315
Met Phe Leu Ser Gly Lys Pro Gly Glu Ser Tyr Leu Ser His Leu Pro
1 5 10 15

Cys Leu Xaa Phe Phe Phe Phe Phe Gly Trp Ser Cys Cys Leu Asp
20 25 30

Asp Ala Phe Thr Met Gln Glu Arg Val Phe Val Lys Asp Ile Phe Glu
35 40 45

Asp Trp Leu Phe His Ile Val Leu His Ser Leu Thr Val Ala Lys Cys
50 55 60

Thr Val Asp Phe His Asp His Cys Ile Phe Leu Val Ile Glu Met Tyr
65 70 75 80

Leu Leu Cys Phe

<210> 316
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 316

Met	Phe	Pro	Ile	Leu	Ser	Ile	Thr	Thr	Leu	Ser	Ile	Leu	Ala	Phe	Phe
1			5				10						15		
Leu	Trp	Leu	Ser	Val	Thr	Ser	His	Phe	Tyr	Arg	Gln	Lys	Thr	Gly	Phe
		20					25					30			
His	His	Ser	Pro	Ser	Phe	Tyr	Leu	Ile	Val	Gln	Ile	Trp	Asp	Thr	Tyr
	35						40					45			
Ala	Asp	Ile	Val	Ala	Ser	Glu	Tyr	Val	Phe	Pro	Trp	Arg	Xaa	Thr	Leu
	50					55					60				
Ser	Ser	Arg	Glu	Gln	Cys	Leu	Ser	Val	Val	Pro	Val	Ala	Phe	Ser	Leu
	65					70				75		80			
Ile	Asp	Phe	Ile	Ser	Lys	Val	Ser								
					85										

<210> 317
<211> 127
<212> PRT
<213> Homo sapiens

<400> 317

Met	Met	Pro	Thr	Tyr	Ala	Ile	Cys	Met	Val	Leu	Val	Phe	Leu	Leu	Leu
1			5					10				15			
Val	His	Leu	His	Ile	Ile	Asn	Thr	Asn	Thr	His	Thr	His	Thr	His	Thr
		20					25				30				
His	Thr	His	Thr	Gly	Leu	Leu	Pro	Glu	Pro	Tyr	Met	Leu	Tyr	Phe	Gln
	35						40				45				
Phe	Leu	Ser	Val	Leu	Arg	Gly	Tyr	Ile	Leu	Ser	Arg	Trp	Thr	Asp	Arg
	50				55				60						
Glu	Tyr	Thr	Trp	Ile	Ser	Thr	Lys	Ile	Tyr	Ser	Pro	Asn	Ser	Pro	Glu
	65				70				75			80			
Pro	Pro	Ala	Ser	Cys	Pro	Ser	Pro	Thr	Gln	Ser	Ile	Ser	Arg	His	Ala
								85		90		95			
Val	Gln	Gly	Ser	Thr	Phe	Leu	Lys	Ala	Gln	Leu	Pro	Thr	Ser	Glu	Gln

100

105

110

Val Gln Ile His Pro Leu His Pro Pro Ile His Leu Ser Pro Leu
115 120 125

<210> 318
<211> 83
<212> PRT
<213> Homo sapiens

<400> 318
Met Thr Ser Leu Ala Arg Leu Pro Cys Ser Tyr Leu Cys Leu Pro Cys
1 5 10 15

Gln Leu Ser Ser Cys Cys Ala Phe Ser Gln Pro Ile Ser Ala Leu Leu
20 25 30

Pro Ser Pro Ser Thr Pro Val Leu Leu Ser Ala Pro Arg Pro Ser Ser
35 40 45

Gln Gly Val Pro Gly Thr Arg Ser Glu Phe Pro Ser Thr Pro Phe Cys
50 55 60

Leu Pro Ser Phe Pro Arg Glu Ser Phe Leu Asp Ser Phe His Leu Val
65 70 75 80

Ser Ser His

<210> 319
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 319
Met Ala Lys Ala Pro Phe Tyr His Leu Leu Phe Cys Phe Gly Ile Trp
1 5 10 15

Ser Asp Ser Tyr Ser Ser Leu Gly Leu Ala Gln Trp Arg Asn Trp Cys
20 25 30

Ser Tyr Cys Thr Gly Leu Cys Thr Pro Cys Asn Cys Asp Val Tyr Asp
35 40 45

Cys Ser Ser Cys Phe Pro Ile Leu His Phe Gln Ser Pro Arg Ala Xaa
50 55 60

Leu Xaa Arg Ile Thr Ser Thr Val Asn His Xaa Arg Asp Cys Thr Thr
65 70 75 80

Arg His Val Gly Gly Lys
85

<210> 320
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 320
Ile Xaa Gly Glu Pro Arg Phe Leu Gly Thr Met Pro Xaa Leu Glu Phe
1 5 10 15

Gly Ser Pro Pro Xaa Xaa Phe Gln Ala Gly Pro Glu Leu Pro Glu Asn
20 25 30

Asn Ser Gly Gln Leu Thr Thr Ser Asp Ser Ser Pro Pro Asn Met Ala
35 40 45

Tyr Pro Cys Ser Ser Asp Val Ile Leu Val Ala Ser Val Asn Ser Val
50 55 60

Cys His Ala Val Gln Thr
65 70

<210> 321
<211> 81
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 321

Met Arg Trp Arg Lys Pro Leu Cys Leu Trp Cys Leu Leu Thr Gln Gly
1 5 10 15

Glu Thr Glu Ala Gln Ala Gly Gln Pro Leu Ala Trp Gly Gly Gly Trp
20 25 30

Val Val Leu Arg Pro Val Thr Xaa Pro Xaa Gln His Pro Pro Val Asp
35 40 45

Pro Leu Pro Ala Xaa Ala Arg Pro Glu Ser Cys Ser Gln Ala Gln Thr
50 55 60

Leu Ala Cys Pro Ser Gly Asp Ala Gly Gln Tyr Ser Ser Leu Gln Pro
65 70 75 80

Ser

<210> 322

<211> 2

<212> PRT

<213> Homo sapiens

<400> 322

Arg Ala

1

<210> 323

<211> 138

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 323

Met	Thr	Ser	Gly	Pro	Arg	Gly	Val	Val	His	Phe	Tyr	Gly	Tyr	Ser	Val
1				5					10					15	
Val	Ser	Thr	Leu	Ala	Leu	Leu	Val	Ser	Ile	Ala	Phe	Pro	Ile	Pro	Ile
					20			25					30		
Cys	Gln	Gln	Trp	Glu	Pro	Ser	Tyr	Lys	Arg	Val	Lys	Ala	Leu	Ser	Ile
						35		40				45			
Val	Gly	Gly	Asp	Pro	His	Leu	Ile	Leu	Leu	Ala	Ser	Thr	Thr	Val	Leu
					50			55			60				
Val	Gly	Ala	Ile	Val	Ser	Thr	Val	Gln	Asn	Phe	Leu	Phe	Trp	His	Met
					65			70		75			80		
Lys	Asp	His	Gly	Ser	Gly	Glu	Leu	Val	Met	Gly	Phe	Ser	Val	Ala	Leu
					85				90				95		
Ser	Leu	Leu	Gly	Glu	Ile	Leu	Leu	His	Pro	Phe	Lys	Ala	Thr	Leu	Leu
					100			105			110				
Arg	Lys	Leu	Ser	Arg	Thr	Gly	Leu	Val	Gly	Leu	Ser	Cys	Leu		
					115			120			125				
Ala	Gly	Gln	Leu	Leu	Tyr	Tyr	Ser	Xaa	Leu						
					130			135							

<210> 324
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 324
Met Ala Ser Pro Ala Pro Ala Cys Leu Gly Ser Leu Leu Ser Trp Thr
 1           5           10           15

Val Cys Gly Trp Gly Glu Val Val Ser Gly Pro Pro Cys Ala Val Ser
 20          25           30

Ala Trp Gly Cys Ser Trp Ala Thr Trp Val Thr Pro Ser Val Val Val
 35          40           45

Gln Leu Ala Pro Ser Gly Ala Val Gln Thr Pro Leu Ser Pro Glu Leu
 50          55           60

Leu Xaa Ile Ser Phe Gln Leu His Ala Ala Pro Leu Gly Gln Phe Tyr
 65          70           75           80

Phe Pro Ile Leu Gln Met Gly Lys Glu Lys Leu Arg Leu Arg Asn Met
 85          90           95

Pro Lys Glu Ala Pro Xaa Pro Xaa Phe Xaa Leu Phe Xaa Leu Xaa Leu
100         105          110

Arg Xaa Xaa Leu Cys His Pro Gly Trp Xaa Ala Gly
115         120

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<210> 325
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 325
Met Gly Gln Leu Cys His Ser Pro Ser Cys Leu Pro Ser Gly Ala Phe
1 5 10 15

Cys Leu Leu Leu Ser Ser Val Leu Gly Ile Ile Val Leu Asn Ser Thr
20 25 30

Asp Thr Ile Ser Ser Ser His Pro Pro Leu Ser Ser Asn Leu Pro Ser
35 40 45

Trp Gly Tyr Thr Thr Lys Ala His Leu Ser Leu Gly Leu Xaa Gly
50 55 60

Phe Ala Gly Lys Glu Asn Met Lys Glu Leu Xaa Xaa Xaa Ser Ser Arg
65 70 75 80

Ser Phe

<210> 326
<211> 248
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 326
Met Thr Leu Leu Ser Leu Leu Gly Arg Ile Met Arg Tyr Phe Leu Leu
1 5 10 15

Arg Pro Glu Thr Leu Phe Leu Leu Cys Ile Ser Leu Ala Leu Trp Ser
20 25 30

Tyr Phe Phe His Thr Asp Glu Val Lys Thr Ile Val Lys Ser Ser Arg
35 40 45

Asp Ala Xaa Lys Met Val Lys Gly Lys Val Ala Glu Ile Met Gln Asn
50 55 60

Asp Arg Leu Gly Gly Leu Asp Val Leu Glu Ala Glu Phe Ser Lys Thr
65 70 75 80

Trp Glu Phe Lys Asn His Asn Val Ala Val Tyr Ser Ile Gln Gly Arg
85 90 95

Arg Asp His Met Glu Asp Arg Phe Glu Val Leu Thr Asp Leu Ala Asn
 100 105 110

 Lys Thr His Pro Ser Ile Phe Gly Ile Phe Asp Gly His Gly Gly Glu
 115 120 125

 Thr Ala Ala Glu Tyr Val Lys Ser Arg Leu Pro Glu Ala Leu Lys Gln
 130 135 140

 His Leu Gln Asp Tyr Glu Lys Asp Lys Glu Asn Ser Val Leu Ser Tyr
 145 150 155 160

 Gln Thr Ile Leu Glu Gln Gln Ile Leu Ser Ile Asp Arg Glu Met Leu
 165 170 175

 Glu Lys Leu Thr Val Ser Tyr Asp Glu Ala Gly Thr Thr Cys Leu Ile
 180 185 190

 Ala Leu Leu Ser Asp Lys Asp Leu Thr Val Ala Asn Val Gly Asp Ser
 195 200 205

 Arg Gly Val Leu Cys Asp Lys Asp Gly Asn Ala Ile Pro Leu Ser His
 210 215 220

 Asp His Lys Pro Tyr Gln Leu Lys Glu Arg Lys Arg Ile Lys Arg Ala
 225 230 235 240

 Gly Gly Phe Ile Ser Phe Asn Gly
 245

<210> 327
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 327
 Phe Leu Ile Ala Leu Asp Leu Leu Asn Val Phe Cys Leu Leu Ser
 1 5 10 15

 Val Phe Ser Leu Glu Ile Glu Cys Lys Pro Tyr
 20 25

<210> 328
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 328
 Met Lys Ser Lys Phe Cys Phe Ala Ser Pro Met Arg Leu Pro Lys Ala
 1 5 10 15

 Leu Leu Ala Phe Ser Ala Cys Trp Gln Leu Leu Ser Ala Trp Leu Leu
 20 25 30

 His Leu Ser Pro His Thr Ala Tyr Lys Ser Glu Lys Val Ser Arg Ile

35

40

45

Lys Ala Lys
50

<210> 329
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 329
Met Pro Asn Ser Leu Leu Gly Val Phe Phe Cys Phe Val Leu Phe Cys
1 5 10 15

Phe Val Leu Xaa Cys Leu Ile Gln Ser Phe Thr Leu Ser Pro Arg Leu
20 25 30

Glu

<210> 330
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 330
Gln Lys Ala Xaa Trp Ser Gln Leu Xaa Pro Ile Tyr Leu Thr Val Xaa
1 5 10 15

Ile Phe Gln Arg Gln Phe Gln Gly Tyr Tyr Ser His Asp Ser Thr His
20 25 30

Pro Gln Gly Val Arg Phe Ser Leu Cys Lys Cys Ile Met Thr Phe Tyr
35 40 45

Asn Thr Pro Cys His Ala Leu Phe Tyr Pro Ala Arg Ile Gly Val Trp
50 55 60

Pro Gln Leu Val Pro Thr Ser Ser Thr Ala Ile Thr Ser Ser Ser Ser
65 70 75 80

Ala Pro Ser Val Val Xaa Glu Pro Leu Val Ser Ser Glu Met His Met
85 90 95

Leu Lys Ser

<210> 331
<211> 35
<212> PRT
<213> Homo sapiens

<400> 331
Met Cys His His Ala Gln Leu Ile Phe Val Leu Leu Val Glu Thr Gly
1 5 10 15

Phe Cys His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser His Asp
20 25 30

Leu Arg Thr
35

<210> 332
<211> 262
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 332
His Gly Pro Pro Glu Gly Ala Val Gly Cys Gln Arg Glu Gln Gln Arg
1 5 10 15

Gln Ala Ala Ala Gln Pro Arg Gln His Gln Ala Ile Arg Ser Val Gly
20 25 30

Arg Gln Pro Val Val Cys Cys Pro Gln Thr Leu Asp Ala Gly Leu Gly
35 40 45

Pro Gly His Ala Ala Val Ala Arg Pro Leu Leu Arg Pro Leu Gln Val
50 55 60

Gly Glu Ala Glu Cys Gly His Gly Gln Gln Gly Gly Gln Asp Pro Ala
65 70 75 80

Gly Ser Ala His Gly Pro Gly Val Leu Gly Ser Gln Val Ala Ser Gly
 85 90 95

 Glu Glu Gly Val His Asp Ala Gln Val Ala Val Glu Ala Asp Ala Gly
 100 105 110

 Asp Glu Asp Asp Ala Ala Gln Gln Val Ala Gly Glu Glu Ala Leu
 115 120 125

 Gln Ala Ala Arg Gly Leu Pro Ile Ala Pro Val Leu Gly Gly Ile Glu
 130 135 140

 Val Gly Gly Gln Arg Gly Gln Arg Gln Xaa Ala Glu Gln Val Ala Asp
 145 150 155 160

 Cys Gln Leu Asp Arg Glu Asp His Gly Gly Val Pro Trp Ala Leu Leu
 165 170 175

 Pro Asp Ala Glu Ala Val Gln Gly Gln Ala Ile Ala Gly His Gly His
 180 185 190

 Gln Glu Leu Asn His Gln Tyr Gly Pro Gln Glu Val Pro Leu Glu Pro
 195 200 205

 Thr Glu Phe Val Val Gly Ser Cys Gln Glu Val Gly Arg Ala Gly Leu
 210 215 220

 Gly Thr Arg Asp Val Gly Cys His Ala Pro Val Pro Ile Leu Ser Leu
 225 230 235 240

 Cys Leu Leu Pro Ser Ser Pro Ala Pro Pro Pro Val Thr Ser Gly Leu
 245 250 255

 Val Gly Pro Ala Pro Ala
 260

<210> 333
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 333
 Met Leu Thr Asn Arg Ala Pro Ser Ser Phe Val Trp Phe Leu Cys Leu
 1 5 10 15

 Ala Cys His Leu Pro Ser Cys Pro Ser Ala Thr Glu Glu Phe Ala Val
 20 25 30

 Phe Ile Pro Lys Tyr His Ser Ser Arg Met Gly Ala Ala Pro Cys His
 35 40 45

 Val Leu Gly His Gly Gly Ile Lys Gly Asn Thr Cys Gln Asp Asn Ala
 50 55 60

 Gly Tyr Asp Phe Cys Arg Pro Leu Gly Leu Ala Ser Phe Leu Lys Arg
 65 70 75 80

Gln Asp

<210> 334

<211> 587

<212> PRT

<213> Homo sapiens

<400> 334

Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
1 5 10 15

Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
20 25 30

Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
35 40 45

Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
50 55 60

Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
65 70 75 80

Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
85 90 95

Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
100 105 110

Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
115 120 125

Leu Asn Phe Thr Ala Asn Pro Pro Gln Arg Val Phe Glu Leu Val Asp
130 135 140

Gln Ile Asn Pro Ser Ile Phe Cys Ile His Ile Thr Asn Tyr Lys Pro
145 150 155 160

Ala Leu Ser Phe Ile Asn Pro Glu Val Pro Asp Glu Asn Asn Phe Asp
165 170 175

Thr Leu Met Lys Thr Ser Asp Gly Phe Thr Leu Asn Ala Glu Ser Tyr
180 185 190

Val Ser Phe Thr Thr Lys Leu Asp Ile Pro Thr Ala Ala Lys Tyr Glu
195 200 205

Tyr Gly Val Pro Leu Gln Thr Ser Asp Ser Phe Leu Arg Phe Pro Ser
210 215 220

Ser Leu Thr Ser Ser Leu Cys Thr Asp Asn Asn Pro Ala Ala Phe Leu
225 230 235 240

Val Asn Gln Ala Val Lys Cys Thr Arg Lys Ile Asn Leu Glu Gln Cys
245 250 255

Glu Glu Ile Glu Ala Leu Ser Met Ala Phe Tyr Ser Ser Pro Glu Ile

260

265

270

Leu Arg Val Pro Asp Ser Arg Lys Lys Val Pro Ile Thr Val Gln Ser
 275 280 285

Ile Val Ile Gln Ser Leu Asn Lys Thr Leu Thr Arg Arg Glu Asp Thr
 290 295 300

Asp Val Leu Gln Pro Thr Leu Val Asn Ala Gly His Phe Ser Leu Cys
 305 310 315 320

Val Asn Val Val Leu Glu Val Lys Tyr Ser Leu Thr Tyr Thr Asp Ala
 325 330 335

Gly Glu Val Thr Lys Ala Asp Leu Ser Phe Val Leu Gly Thr Val Ser
 340 345 350

Ser Val Val Val Pro Leu Gln Gln Lys Phe Glu Ile His Phe Leu Gln
 355 360 365

Glu Asn Thr Gln Pro Val Pro Leu Ser Gly Asn Pro Gly Tyr Val Val
 370 375 380

Gly Leu Pro Leu Ala Ala Gly Phe Gln Pro His Lys Gly Ser Gly Ile
 385 390 395 400

Ile Gln Thr Thr Asn Arg Tyr Gly Gln Leu Thr Ile Leu His Ser Thr
 405 410 415

Thr Glu Gln Asp Cys Leu Ala Leu Glu Gly Val Arg Thr Pro Val Leu
 420 425 430

Phe Gly Tyr Thr Met Gln Ser Gly Cys Lys Leu Arg Leu Thr Gly Ala
 435 440 445

Leu Pro Cys Gln Leu Val Ala Gln Lys Val Lys Ser Leu Leu Trp Gly
 450 455 460

Gln Gly Phe Pro Asp Tyr Val Ala Pro Phe Gly Asn Ser Gln Ala Gln
 465 470 475 480

Asp Met Leu Asp Trp Val Pro Ile His Phe Ile Thr Gln Ser Phe Asn
 485 490 495

Arg Lys Asp Ser Cys Gln Leu Pro Gly Ala Leu Val Ile Glu Val Lys
 500 505 510

Trp Thr Lys Tyr Gly Ser Leu Leu Asn Pro Gln Ala Lys Ile Val Asn
 515 520 525

Val Thr Ala Asn Leu Ile Ser Ser Ser Phe Pro Glu Ala Asn Ser Gly
 530 535 540

Asn Glu Arg Thr Ile Leu Ile Ser Thr Ala Val Thr Phe Val Asp Val
 545 550 555 560

Ser Ala Pro Ala Glu Ala Gly Phe Arg Ala Pro Pro Ala Ile Asn Ala
 565 570 575

Arg Leu Pro Phe Asn Phe Phe Pro Phe Val

<210> 335
 <211> 337
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (255)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (320)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 335
 Met Gly Leu Ile Val Val Leu Leu Phe Pro Asn Leu Cys Met Cys Thr
 1 5 10 15

Phe His Ala Gly Gly Phe Gln Cys Val Leu Trp Met Ala Gly Leu Lys
 20 25 30

Arg Arg Val Pro Leu His Ser Leu Arg Tyr Phe Ile Ser Met Val Gly
 35 40 45

Leu Phe Ser Lys Pro Gly Leu Leu Pro Trp Tyr Ala Arg Asn Pro Pro
 50 55 60

Gly Trp Ser Gln Leu Phe Leu Gly Thr Val Cys Lys Gly Asp Phe Thr
 65 70 75 80

Arg Val Ile Ala Thr Lys Cys Gln Lys Gly Gln Lys Ser Gln Lys Lys
 85 90 95

Pro Ser His Leu Gly Pro Leu Asp Gly Ser Trp Gln Glu Arg Leu Ala
 100 105 110

Asp Val Val Thr Pro Leu Trp Arg Leu Ser Tyr Glu Glu Gln Leu Lys
 115 120 125

Val Lys Phe Ala Ala Gln Lys Lys Ile Leu Gln Arg Leu Glu Ser Tyr
 130 135 140

Ile Gln Met Leu Asn Gly Val Ser Val Thr Thr Ala Val Pro Lys Ser
 145 150 155 160

Glu Arg Leu Ser Cys Leu Leu His Pro Ile Ile Pro Xaa Pro Val Ile
 165 170 175

Asn Gly Tyr Arg Asn Lys Ser Thr Phe Ser Val Asn Arg Gly Pro Asp

180

185

190

Gly Asn Pro Lys Thr Val Gly Phe Tyr Leu Gly Thr Trp Arg Asp Gly
195 200 205

Asn Val Val Cys Val Gln Ser Asn His Leu Lys Asn Ile Pro Glu Lys
210 215 220

His Ser Gln Val Ala Gln Tyr Tyr Glu Val Phe Leu Arg Gln Ser Pro
225 230 235 240

Leu Glu Pro Cys Leu Val Phe His Glu Gly Gly Tyr Trp Arg Xaa Leu
245 250 255

Thr Val Arg Thr Asn Ser Gln Gly His Thr Met Ala Ile Ile Thr Phe
260 265 270

His Pro Gln Lys Leu Ser Gln Glu Glu Leu His Val Gln Lys Glu Ile
275 280 285

Val Lys Glu Phe Phe Ile Lys Arg Ser Trp Ser Ser Leu Trp Leu Asp
290 295 300

Leu Thr Leu Leu Pro Gly Lys Tyr His Asp Pro Leu Gln Pro Ser Xaa
305 310 315 320

Val Ser Leu Ser Ser Phe Cys Leu Gly Asn Leu His Leu Leu Lys Asn
325 330 335

Phe

<210> 336

<211> 125

<212> PRT

<213> Homo sapiens

<400> 336

Met Ser Asn Thr Asn Gly Ser Ala Ile Thr Glu Phe Ile Leu Leu Gly
1 5 10 15

Leu Thr Asp Cys Pro Glu Leu Gln Ser Leu Leu Phe Val Leu Phe Leu
20 25 30

Val Val Tyr Leu Val Thr Leu Leu Gly Asn Leu Gly Met Ile Met Leu
35 40 45

Met Arg Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Thr
50 55 60

Asn Leu Ala Phe Val Asp Leu Cys Tyr Thr Ser Asn Ala Thr Pro Gln
65 70 75 80

Met Ser Thr Asn Ile Val Ser Glu Lys Thr Ile Ser Phe Ala Gly Cys
85 90 95

Phe Thr Gln Cys Tyr Ile Phe Ile Ala Leu Leu Leu Thr Glu Phe Tyr
100 105 110

Met Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile
115 120 125

<210> 337
<211> 132
<212> PRT
<213> Homo sapiens

<400> 337
Met Arg Leu Leu Val Leu Ser Ser Leu Leu Cys Ile Leu Leu Leu Cys
1 5 10 15

Phe Ser Ile Phe Ser Thr Glu Gly Lys Arg Arg Pro Ala Lys Ala Trp
20 25 30

Ser Gly Arg Arg Thr Arg Leu Cys Cys His Arg Val Pro Ser Pro Asn
35 40 45

Ser Thr Asn Leu Lys Ala Phe Thr Ala Val Ser Cys Asn Val Gly Gly
50 55 60

Leu His Leu Gly Leu Gln Gly Pro Trp Glu Ser Ser Arg Thr Pro Arg
65 70 75 80

Pro Cys Leu Asn Cys Ala Ile Asn Phe Gln Ser Tyr His Glu Pro Thr
85 90 95

Ser Pro His Arg Ala Ser Val Ala Thr Met Trp Ala Ser Pro Val Gln
100 105 110

Thr Thr Glu His Ser Thr Met Thr Gly His Ser Tyr Lys Ser Arg Asp
115 120 125

His Gln Ser Cys
130

<210> 338
<211> 81
<212> PRT
<213> Homo sapiens

<400> 338
Met Arg Leu Leu Val Leu Ser Ser Leu Leu Cys Ile Leu Leu Leu Cys
1 5 10 15

Phe Ser Ile Phe Ser Thr Glu Gly Lys Arg Arg Pro Ala Lys Ala Trp
20 25 30

Ser Gly Arg Arg Thr Arg Leu Cys Cys His Arg Val Pro Ser Pro Asn
35 40 45

Ser Thr Asn Leu Lys Gly His His Val Arg Leu Cys Lys Pro Cys Lys
50 55 60

Leu Glu Pro Glu Pro Arg Leu Trp Val Val Pro Gly Ala Leu Pro Gln

65

70

75

80

Val

<210> 339
<211> 173
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 339
Met Ser Gly Leu Ser Arg Pro Leu Leu Leu Ala Val Gly Cys Leu Ala
1 5 10 15

Ala Leu Cys Val Ile Thr Ala Ala Gly Asn Thr Thr Leu Ala Pro Asn
20 25 30

Val Thr Thr Ala Ser Ser Pro Pro Pro Thr Thr Thr Val Pro Val
35 40 45

Ser Pro Thr Thr Leu Ser Pro Leu Pro Val Thr Thr Pro Ala Pro Asp
50 55 60

Ile Cys Gly Ser Arg Asn Ser Cys Val Ser Cys Val Asp Gly Asn Ala
65 70 75 80

Thr Cys Phe Trp Ile Glu Cys Lys Gly Lys Ser Tyr Cys Ser Asp Asn
85 90 95

Ser Thr Ala Gly Asp Cys Lys Val Val Asn Thr Thr Gly Phe Cys Ser
100 105 110

Ala Lys Thr Thr Leu Pro Ser Thr Thr Thr Ser Thr Thr Xaa
115 120 125

Thr Thr Ser Gly Thr Thr Asn Thr Thr Leu Ser Pro Thr Ile Gln Pro
130 135 140

Thr Arg Lys Ser Thr Phe Asp Ala Xaa Gln Phe His Trp Arg Asn Xaa
145 150 155 160

Pro Cys Leu Gly Val Xaa Ala Val Ile Phe Phe Leu Tyr
165 170

<210> 340
<211> 91
<212> PRT
<213> Homo sapiens

<400> 340
Met Ser Arg Cys Thr Trp Pro Ser Phe Ser Phe Phe Leu Ser Ser Phe
1 5 10 15

Leu Ser Phe Phe Arg Trp Ser Leu Ala Leu Ser Ala Arg Leu Glu Gly
20 25 30

Ser Gly Val Ile Leu Ala His Cys Asn Leu Arg Leu Pro Gly Ser Ser
35 40 45

Asp Ser Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Met Ser
50 55 60

Arg Cys Ala Asp Val His Leu Val Ser Ile Ile Thr Lys Ala His Leu
65 70 75 80

Val Ser Trp Pro Leu Gln Met Asn Ile Leu Pro
85 90

<210> 341
<211> 139
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 341
Pro Pro Arg Pro Gly Cys Pro Val Pro Gln Trp Gly Cys Ser Ser Ala
1 5 10 15

Trp Pro Cys Pro Ser Gln Xaa His His His Pro Ala Asn Asp Cys Gln
20 25 30

Thr Val Gly Arg His Ser Pro Leu Asp Leu Asn Leu Lys Ser Pro Ser
35 40 45

Leu Pro Trp Leu Asp Pro Gly Asp Pro Phe Ala Leu Pro Ser Ala Pro
50 55 60

Ser Pro Thr Asp Leu Leu Cys Asp Leu Arg Pro Val Cys Arg Pro Leu
65 70 75 80

Trp Ala Ser Val Phe Pro Ala Met Lys Thr Ala Ile Ser Gln Ser Cys			
85	90	95	
Val Lys Gln Lys Arg Lys Ala Gly Gly Arg Pro Trp Ala Asn Gly Arg			
100	105	110	
Ala Leu Val Ile Ile Asn Ile Val Ala Ala Val Val Leu Leu Leu			
115	120	125	
Ile Asn Ile His Ile Ile Tyr Phe Ile Leu Thr			
130	135		

<210> 342			
<211> 86			
<212> PRT			
<213> Homo sapiens			
<220>			
<221> SITE			
<222> (34)			
<223> Xaa equals any of the naturally occurring L-amino acids			
<220>			
<221> SITE			
<222> (63)			
<223> Xaa equals any of the naturally occurring L-amino acids			
<220>			
<221> SITE			
<222> (71)			
<223> Xaa equals any of the naturally occurring L-amino acids			
<220>			
<221> SITE			
<222> (82)			
<223> Xaa equals any of the naturally occurring L-amino acids			
<400> 342			
Met Val Phe Pro Leu Leu Cys Val Phe Val Leu Ile Ser Ser Ser Leu			
1	5	10	15
Ala Gly Glu Glu Ala Ala Gly Leu Arg Val Gln Lys Leu Trp Pro Ala			
20	25	30	
Val Xaa Leu Ser His Leu Pro Val Cys Trp Phe His Cys Ser Gly Ile			
35	40	45	
Trp Ser Glu Val Ile Glu Leu Lys Val Gly Trp Glu Gly His Xaa Leu			
50	55	60	
Pro Trp Gln Ala His Val Xaa Glu Phe Lys Val Val Glu His Leu Ile			
65	70	75	80
Ser Xaa Met Gly Ala Gly			
85			

<210> 343
<211> 118
<212> PRT
<213> Homo sapiens

<400> 343
Met His Cys His Cys Arg Val Trp Gly Phe Arg Trp Phe Leu Gly Asp
1 5 10 15

Trp Glu Leu Leu Val Cys Met Cys Trp Val His Ala Ser Gly Ser Gln
20 25 30

Leu Pro Gln Ala Arg Thr Gly Asn Pro Phe Pro Ser Lys Ala Ile Gly
35 40 45

Gly Ala Ser Leu Glu Ser Phe Ala Lys Ser Pro Arg Gln Asn Pro Arg
50 55 60

Val Gln Asp His Phe His Gly Ala His Val Phe Leu Phe Cys Arg Asn
65 70 75 80

Phe Phe Leu Thr Ser Thr His His Asn Ser Glu Gly His Val Ser Ser
85 90 95

Phe Leu Asp His Tyr Ser Glu Val Leu Gln Leu Tyr Ser Ser Gln Ser
100 105 110

Gly Leu Gly Leu Leu Gly
115

<210> 344
<211> 365
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (253)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (365)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 344
Met Phe Gly Thr Leu Leu Tyr Cys Phe Phe Leu Ala Thr Val Pro
1 5 10 15

Ala Leu Ala Glu Thr Gly Gly Glu Arg Gln Leu Ser Pro Glu Lys Ser
20 25 30

Glu Ile Trp Gly Pro Gly Leu Lys Ala Asp Val Val Leu Pro Ala Arg

35

40

45

Tyr Phe Tyr Ile Gln Ala Val Asp Thr Ser Gly Asn Lys Phe Thr Ser
 50 55 60

Ser Pro Gly Glu Lys Val Phe Gln Val Lys Val Ser Ala Pro Glu Glu
 65 70 75 80

Gln Phe Thr Arg Val Gly Val Gln Val Leu Asp Arg Lys Asp Gly Ser
 85 90 95

Phe Ile Val Arg Tyr Arg Met Tyr Ala Ser Tyr Lys Asn Leu Lys Val
 100 105 110

Glu Val Lys Phe Gln Gly Gln His Val Ala Lys Ser Pro Tyr Ile Leu
 115 120 125

Lys Gly Pro Val Tyr His Glu Asn Cys Asp Cys Pro Leu Gln Asp Ser
 130 135 140

Ala Ala Trp Leu Arg Glu Met Asn Cys Pro Glu Thr Ile Ala Gln Ile
 145 150 155 160

Gln Arg Asp Leu Ala His Phe Pro Ala Val Asp Pro Glu Lys Ile Ala
 165 170 175

Val Glu Ile Pro Lys Arg Phe Gly Gln Arg Gln Ser Xaa Cys His Tyr
 180 185 190

Thr Leu Lys Asp Asn Lys Val Tyr Ile Lys Thr His Gly Glu His Val
 195 200 205

Gly Phe Arg Ile Phe Met Asp Ala Ile Leu Leu Ser Leu Thr Arg Lys
 210 215 220

Val Lys Met Pro Asp Val Glu Leu Phe Val Asn Leu Gly Asp Trp Pro
 225 230 235 240

Leu Glu Lys Lys Ser Asn Ser Asn Ile His Pro Xaa Phe Ser Trp
 245 250 255

Cys Gly Ser Thr Asp Ser Lys Asp Ile Val Met Pro Thr Tyr Asp Leu
 260 265 270

Thr Asp Ser Val Leu Glu Thr Met Gly Arg Val Ser Leu Asp Met Met
 275 280 285

Ser Val Gln Ala Asn Thr Gly Pro Pro Trp Glu Ser Lys Asn Ser Thr
 290 295 300

Ala Val Trp Arg Gly Arg Asp Ser Arg Lys Glu Arg Leu Glu Leu Val
 305 310 315 320

Lys Leu Ser Arg Lys His Pro Glu Leu Ile Asp Ala Ala Phe Thr Asn
 325 330 335

Phe Phe Phe Lys His Asp Glu Asn Leu Tyr Gly Pro Ile Val Asn
 340 345 350

Ile Phe His Phe Leu Ile Ser Ser Ser Ile Ser Ile Xaa
355 360 365

<210> 345
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 345
Met Thr Xaa Gln Leu Leu Phe Asn Ser Phe Leu Leu Ser Ser Val Ser
1 5 10 15

Gln Ile Arg Asp Gln Ile Ala Met Arg Glu Ser Val Trp Ser Gly Ser
20 25 30

Ile Ser Arg Gln Lys Glu Leu Val Thr Leu Trp Ile Ile Cys Leu Trp
35 40 45

Phe Arg His Leu Pro Leu Val Leu Ala Val Gly Asp Gly Trp
50 55 60

<210> 346
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 346
Cys Pro Ala Leu Phe Asn Ile Xaa Phe Glu Asn Ser Ile Leu Tyr Cys
1 5 10 15

Gln Ile

<210> 347
<211> 306
<212> PRT
<213> Homo sapiens

<400> 347
Met Gly His Arg Thr Leu Val Leu Pro Trp Val Leu Leu Thr Leu Cys
1 5 10 15

Val Thr Ala Gly Thr Pro Glu Val Trp Val Gln Val Arg Met Glu Ala
20 25 30

Thr Glu Leu Ser Ser Phe Thr Ile Arg Cys Gly Phe Leu Gly Ser Gly
 35 40 45

Ser Ile Ser Leu Val Thr Val Ser Trp Gly Gly Pro Asp Gly Ala Gly
 50 55 60

Gly Thr Thr Leu Ala Val Leu His Pro Glu Arg Gly Ile Arg Gln Trp
 65 70 75 80

Ala Pro Ala Arg Gln Ala Arg Trp Glu Thr Gln Ser Ser Ile Ser Leu
 85 90 95

Ile Leu Glu Gly Ser Gly Ala Ser Ser Pro Cys Ala Asn Thr Thr Phe
 100 105 110

Cys Cys Lys Phe Ala Ser Phe Pro Glu Gly Ser Trp Glu Ala Cys Gly
 115 120 125

Ser Leu Pro Pro Ser Ser Asp Pro Gly Leu Ser Ala Pro Pro Thr Pro
 130 135 140

Ala Pro Ile Leu Arg Ala Asp Leu Ala Gly Ile Leu Gly Val Ser Gly
 145 150 155 160

Val Leu Leu Phe Gly Cys Val Tyr Leu Leu His Leu Leu Arg Arg His
 165 170 175

Lys His Arg Pro Ala Pro Arg Leu Gln Pro Ser Arg Thr Ser Pro Gln
 180 185 190

Ala Pro Arg Ala Arg Ala Trp Ala Pro Ser Gln Ala Ser Gln Ala Ala
 195 200 205

Leu His Val Pro Tyr Ala Thr Ile Asn Thr Ser Cys Arg Pro Ala Thr
 210 215 220

Leu Asp Thr Ala His Pro His Gly Gly Pro Ser Trp Trp Ala Ser Leu
 225 230 235 240

Pro Thr His Ala Ala His Arg Pro Gln Gly Pro Ala Ala Trp Ala Ser
 245 250 255

Thr Pro Ile Pro Ala Arg Gly Ser Phe Val Ser Val Glu Asn Gly Leu
 260 265 270

Tyr Ala Gln Ala Gly Glu Arg Pro Pro His Thr Gly Pro Gly Leu Thr
 275 280 285

Leu Phe Pro Asp Pro Arg Gly Pro Arg Ala Met Glu Gly Pro Leu Gly
 290 295 300

Val Arg
 305

<210> 348
 <211> 106
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 348

Met Gly Trp Ser Arg Gly Glu Gly Gln Gln Gly Trp Leu Ala Ala Ala
1 5 10 15

Leu Cys Gly Trp Thr Arg Leu Gly Lys Ala Glu Gly Ser Glu Gly Trp
20 25 30

Ala Thr Leu Glu Gly Cys Gln Val Pro Ser Leu Leu Gln Gly Asn Glu
35 40 45

Gly Gly Ala Ala Leu Asn Arg His Met Pro Lys Gln Gly Ile Asp Ala
50 55 60

Trp Ile Lys Leu Ala Thr Thr Arg Arg Ser Leu Phe Gly Ile Phe Gln
65 70 75 80

Ile Leu Arg His Pro Ser Cys Asp Asp Gly Val Glu Arg Xaa Thr Gly
85 90 95

Pro Leu Glu Phe Cys Xaa Leu His Arg Xaa
100 105

<210> 349

<211> 137

<212> PRT

<213> Homo sapiens

<400> 349

Ala Leu Met Ser Arg Gln Arg Gly Pro Gly Glu Asn Pro Ala Pro Ser
1 5 10 15

Val Ile Pro Leu His Phe Leu Pro Ser Phe Leu Leu Cys Leu Ala Lys
20 25 30

Glu Gly Ser Ser Leu Gly Cys Pro Tyr Asn Ala Pro Gly Pro Arg Leu
35 40 45

Ser Asn Lys Lys Pro Glu Pro Cys Gly Pro Val Ala Arg Ala Ser Ser
50 55 60

Gly Arg Leu Pro Leu Leu Cys Leu Gly Pro Leu Ser Pro Ala Ser Arg

65 70 75 80

Ala Arg Val Arg Leu Gln Ala Ser Gly His Cys Pro Gly Cys Asp Gly
85 90 95

Thr Lys Ala Gly Gly Ala Pro Gly Thr Thr Gln Leu Gly Phe Pro Pro
100 105 110

Gly Phe Pro Ala Gly Val Ser Gly Ser Phe Ser Pro Ala Leu Leu Gly
115 120 125

Val Cys Arg Asn Trp Pro Cys Ser Pro
130 135

<210> 350

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 350

Glu Thr Arg Thr Leu Gln Pro Pro Gly Pro Xaa Cys Val Cys Arg Pro
1 5 10 15

Val Ala Thr Val Arg Ala Val Met Ala Pro Arg Gln Val Glu His Gln
20 25 30

Val Pro His Ser Trp Ala Ser His Gln Ala Phe Pro Arg Gly Ser Gln
35 40 45

Gly Ala Ser Pro Gln Arg Cys Xaa Glu Ser Ala Gly Thr Gly Leu Val
50 55 60

Leu Leu Ser Pro Ser Leu His Thr Val Leu Gly Glu Asp Gly Cys Gly
65 70 75 80

Arg Cys Pro Cys Arg Glu Val Thr Val Glu Val Ala Val Ala Cys Ser
85 90 95

His Leu Trp Glu Glu Lys
100

<210> 351

<211> 133

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 351
 Met Arg Leu Phe Val Ser Val Thr Val Leu Val Ile Cys Leu Ala Asp
 1 5 10 15

 Leu Glu Glu Glu Ser Glu Ser Trp Asp Asn Ser Glu Ser Glu Glu
 20 25 30

 Glu Lys Ala Pro Val Leu Pro Glu Ser Thr Glu Gly Arg Glu Leu Thr
 35 40 45

 Gln Gly Pro Ala Glu Ser Ser Ser Leu Ser Gly Cys Gly Ser Trp Gln
 50 55 60

 Pro Arg Lys Leu Pro Val Phe Lys Ser Leu Arg His Met Arg Gln Val
 65 70 75 80

 Gly Gly Arg Gly Thr Ala His Gln Glu Leu Arg Arg Arg Ala Asn His
 85 90 95

 Gly Leu Ser Leu Pro Thr Arg Leu Ala Ser Gly Pro Ser Thr Phe Lys
 100 105 110

 Thr Leu Gln Glu Val Thr Asp Ser Leu Leu Gly Gly Trp Leu Arg Ala
 115 120 125

 Gln Gly Xaa Gly Gly
 130

<210> 352
 <211> 136
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 352
 Met Ile Leu Leu Ile Ile Leu Trp Ile Leu Arg Glu Ile Gln Ser Ile
 1 5 10 15

 Tyr Ile Ile Gly Ile Phe Arg Asn Pro Phe Tyr Pro Lys Asp Val Gln
 20 25 30

 Thr Val Thr Val Phe Phe Glu Lys Gln Thr Arg Leu Met Lys Ile Gly
 35 40 45

Ile Val Arg Arg Ile Leu Leu Thr Leu Val Ser Pro Phe Ala Met Ile
50 55 60

Ala Phe Leu Ser Leu Asp Ser Ser Leu Gln Gly Leu His Ser Val Ser
65 70 75 80

Val Cys Ile Gly Phe Thr Arg Ala Phe Arg Met Val Trp Gln Asn Xaa
85 90 95

Glu Xaa Ala Leu Leu Glu Thr Val Ile Val Ser Thr Val His Leu Ile
100 105 110

Ser Ser Thr Asp Ile Trp Trp Asn Arg Ser Leu Asp Thr Gly Leu Arg
115 120 125

Leu Leu Leu Val Gly Ile His Thr
130 135

<210> 353

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 353

Met Ile Leu Leu Ile Ile Leu Trp Ile Leu Arg Glu Ile Gln Ser Ile
1 5 10 15

Tyr Ile Ile Gly Ile Phe Arg Asn Pro Phe Tyr Pro Lys Asp Val Gln
20 25 30

Thr Val Thr Val Phe Phe Glu Lys Gln Thr Arg Leu Xaa Lys Ile Gly
35 40 45

Ile Val Arg Arg Ile Leu Leu Thr Leu Val Ser Pro Phe Ala Met Ile
50 55 60

Ala Phe Leu Ser Leu Asp Ser Ser Leu Gln Gly Leu His Ser Val Ser
65 70 75 80

Val Cys Ile Gly Phe Thr Arg Ala Phe Arg Met Val Trp Gln Asn Thr
85 90 95

Glu Asn Ala Leu Leu Glu Thr Val Ile Val Ser Thr Val His Leu Ile
100 105 110

Ser Ser Thr Asp Ile Trp Trp Asn Arg Ser Leu Asp Thr Gly Gly Thr
115 120 125

His Phe Val Asn Xaa Val
130

<210> 354

<211> 303

<212> PRT

<213> Homo sapiens

<400> 354

Gly Arg Leu Arg Gly Ala Gly Arg Gly Val Gln Arg Ala Met Ala Ala
1 5 10 15

Leu Arg Val Leu Leu Ser Cys Ala Arg Gly Pro Leu Arg Pro Pro Val
20 25 30

Arg Cys Pro Ala Trp Arg Pro Phe Ala Ser Gly Ala Asn Phe Glu Tyr
35 40 45

Ile Ile Ala Glu Lys Arg Gly Lys Asn Asn Thr Val Gly Leu Ile Gln
50 55 60

Leu Asn Arg Pro Lys Ala Leu Asn Ala Leu Cys Asp Gly Leu Ile Asp
65 70 75 80

Glu Leu Asn Gln Ala Leu Lys Ile Phe Glu Glu Asp Pro Ala Val Gly
85 90 95

Ala Ile Val Leu Thr Gly Gly Asp Lys Ala Phe Ala Ala Gly Ala Asp
100 105 110

Ile Lys Glu Met Gln Asn Leu Ser Phe Gln Asp Cys Tyr Ser Ser Lys
115 120 125

Phe Leu Lys His Trp Asp His Leu Thr Gln Val Lys Lys Pro Val Ile
130 135 140

Ala Ala Val Asn Gly Tyr Ala Phe Gly Gly Cys Glu Leu Ala Met
145 150 155 160

Met Cys Asp Ile Ile Tyr Ala Gly Glu Lys Ala Gln Phe Ala Gln Pro
165 170 175

Glu Ile Leu Ile Gly Thr Ile Pro Gly Ala Gly Gly Thr Gln Arg Leu
180 185 190

Thr Arg Ala Val Gly Lys Ser Leu Ala Met Glu Met Val Leu Thr Gly
195 200 205

Asp Arg Ile Ser Ala Gln Asp Ala Lys Gln Ala Gly Leu Val Ser Lys
210 215 220

Ile Cys Pro Val Glu Thr Leu Val Glu Ala Ile Gln Cys Ala Glu
225 230 235 240

Lys Ile Ala Ser Asn Ser Lys Ile Val Val Ala Met Ala Lys Glu Ser
245 250 255

Val Asn Ala Ala Phe Glu Met Thr Leu Thr Glu Gly Ser Lys Leu Glu

260

265

270

Lys Lys Leu Phe Tyr Ser Thr Phe Ala Thr Asp Asp Arg Lys Glu Gly
275 280 285

Met Thr Ala Phe Val Glu Lys Arg Lys Ala Asn Phe Lys Asp Gln
290 295 300

<210> 355

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 355

Met Glu Met Ala Ser Ser Ala Gly Ser Trp Leu Ser Gly Cys Leu Ile
1 5 10 15

Pro Leu Val Phe Leu Arg Leu Ser Val His Val Ser Gly His Ala Gly
20 25 30

Asp Ala Gly Lys Phe His Val Ala Leu Leu Gly Gly Thr Ala Glu Leu
35 40 45

Leu Cys Pro Leu Ser Leu Trp Pro Gly Thr Val Pro Lys Xaa Val Arg
50 55 60

Trp Leu Arg Ser Pro Phe Pro Gln Arg Ser Gln Ala Val His Ile Phe
65 70 75 80

Arg Asp Gly Lys Asp Gln Asp Glu Asp Leu Met Pro Glu Tyr Lys Gly
85 90 95

Arg Thr Val Leu Val Arg Asp Ala Gln Glu Gly Ser Val Thr Leu Gln
100 105 110

Ile Leu Asp Val Arg Leu
115

<210> 356

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 356

Met Ser His Cys Cys Ser Leu Arg Val Asp Phe Ser Val Pro Leu Cys
1 5 10 15

Met	Leu	Leu	Ser	Pro	Leu	Leu	Gly	Met	Ser	Phe	Ser	Ala	Cys	Gln	Thr
				20				25						30	
Pro	Ser	Lys	Ser	Ser	Ser	Asp	Val	Thr	Phe	Ser	Leu	Ser	Thr	Pro	Asp
		35					40						45		
Pro	Thr	Pro	Gln	Ile	Asp	Leu	Val	Gln	Pro	Ser	Ser	Gly	Phe	Pro	Gln
		50				55			60						
His	Ser	Val	Gln	Phe	Glu	Arg	Ser	Phe	Ile	Xaa	Val	Ile	Ile	Thr	Phe
		65			70				75					80	
Phe	Lys	Asn	Asn	Phe	Ile	Phe	Ile	Asn	Leu	Ile	Arg	Leu			
				85				90							

<210> 357
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 357															
Met	Leu	His	Ser	Leu	Ala	Leu	Ala	Glu	Phe	Cys	Arg	Asp	Trp	Gln	His
1				5				10					15		
Cys	Val	Pro	Ala	Cys	Ser	Pro	Thr	Val	Ala	Val	Leu	Phe	Pro	Arg	Val
				20				25					30		
Gln	Arg	Arg	Phe	Phe	Leu	Cys	Ala	Leu	Trp	Leu	Leu	Arg	Ala	His	Gly
				35				40					45		
Gly	Gly	Leu	Gly	Ser	Ala	Ile	Gln	Asp	Cys	Leu	Phe	Tyr	Pro	Leu	His
		50			55				60						
Cys	Leu	Phe	Gln	Gln	Tyr	Glu	Gly	Thr	Val	Ile	Ala	His	Met	Ile	Phe
		65			70				75				80		
Gly	Ser	Tyr	Glu	Gly	Ala	Phe	Cys	Val	Gly	Gly	Cys	Gln	Ile	Trp	Cys
				85				90					95		
Ser	Cys	Arg	Glu	Asp	Asn	Arg	Trp	Arg	Leu	Leu	Phe	Gly	His	Ile	Ala
		100					105						110		
Leu	Pro	Pro	Ile	Pro	Ala	Cys	Phe	Tyr	Phe						
				115			120								

<210> 358
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 358															
Met	Gly	Ala	Ala	Trp	Pro	Arg	Arg	Ala	Arg	Ser	Trp	Trp	Ile	Arg	Thr
1				5				10					15		
Ser	Thr	Ala	Ser	Ser	Pro	Ser	Pro	Ser	Ser	Ile	Thr	Leu	Leu	Trp	

20

25

30

Thr Pro Cys Met Trp Ala Glu Ser Trp Ala Cys Cys Ser Ser Pro Thr
 35 40 45

Tyr Thr Arg Thr Gly Lys Cys Ser Thr Asn Arg Thr Pro Arg Trp Pro
 50 55 60

Pro Ala Leu Thr Ser Met Pro Arg Thr Ser Thr Phe Gln Gln Trp Leu
 65 70 75 80

Ser Ser Pro Thr Phe Trp Trp Leu Ala Cys Ala Gly Asp Pro Gly
 85 90 95

<210> 359

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 359

Met Asn Lys Arg Ala Lys Phe Glu Leu Arg Lys Pro Leu Val Leu Trp
 1 5 10 15

Ser Leu Thr Leu Ala Val Phe Ser Ile Phe Gly Ala Leu Arg Thr Gly
 20 25 30

Ala Tyr Met Val Tyr Ile Leu Met Thr Lys Gly Leu Lys Gln Ser Val
 35 40 45

Cys Asp Gln Xaa Phe Tyr Asn Gly Pro Val Ser Lys Phe Trp Ala Tyr
 50 55 60

Ala Phe Val Leu Ser Lys Ala Pro Glu Leu Gly Asp Thr Ile Phe Ile
 65 70 75 80

Ile Leu Arg Lys Gln Lys Leu Ile Phe Leu His Trp Tyr His His Ile
 85 90 95

Thr Val Leu Leu Tyr Ser Trp Tyr Ser Tyr Lys Asp Met Xaa Cys Arg
 100 105 110

Gly Gly Trp Phe Met Thr Met Asn Tyr Gly Val His Ala Val Met Tyr
 115 120 125

Ser

<210> 360
<211> 84
<212> PRT
<213> Homo sapiens

<400> 360
Met Gly Asp Lys Glu Ser Ser Ser Ser Lys Pro Ser Leu Ala Gly Trp
1 5 10 15

Val Pro Leu Leu Leu Gly Gly Ala Phe Ser Cys Thr Pro Leu Pro Pro
20 25 30

Arg Gly Glu Ser Gln Gln Pro Asn Gln Thr Ala Gln Val Val His Leu
35 40 45

Met Glu Thr Thr Gly Leu Lys His Val Leu Tyr Ser Pro Val Tyr Phe
50 55 60

Cys Cys Tyr Phe Glu Ala Trp Lys Phe Leu Phe Gly Gly Ser Trp Gly
65 70 75 80

Tyr Ser Ser Gly

<210> 361
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 361
Thr Ser Asn Val Asn Ala Gln Asn His Gln Xaa Pro Thr His Leu Arg
1 5 10 15

Val	Asn	Xaa	Tyr	Asp	Val	Xaa	Phe	Gly	Val	Asn	Val	Gly	Asn	Glu	Thr
					20				25					30	
Ala	Met	Lys	Ala	Pro	Glu	Leu	Lys	Asp	Val	Gly	Lys	Trp	Ala	Ala	Val
					35			40				45			
His	Cys	Pro	Ala	Leu	Gln	Gly	Xaa	Xaa	Glu	Ala	Cys	Leu	Leu	Ala	Ser
					50			55				60			
Gly	Gly	Gly	Ala	Arg	Leu	Gln	Glu	Gly	Pro	Ala	Thr	Cys	His	Leu	Pro
					65			70			75			80	
Cys	Asp	Gln	Ala	Lys	Lys	Trp	Asn								
					85										

<210>	362														
<211>	116														
<212>	PRT														
<213>	Homo sapiens														
<220>															
<221>	SITE														
<222>	(11)														
<223>	Xaa equals any of the naturally occurring L-amino acids														
<400>	362														
Met	Ala	Leu	Asp	Ile	Ser	Leu	Phe	Tyr	Leu	Xaa	Tyr	Phe	Phe	Phe	Phe
1				5					10				15		
Leu	Arg	Trp	Asn	Phe	Ser	Leu	Ile	Ala	Gln	Ala	Gly	Val	Gln	Trp	His
					20			25				30			
Asp	Leu	Gly	Ser	Pro	Gln	Pro	Pro	Pro	Gly	Leu	Lys	Arg	Phe	Ser	
					35			40				45			
Phe	Leu	Gly	Leu	Pro	Ser	Ser	Trp	Asp	Tyr	Arg	His	Ala	Pro	Pro	Cys
					50			55				60			
Pro	Ala	Asn	Phe	Val	Phe	Leu	Val	Glu	Met	Gly	Phe	Leu	His	Val	Gly
					65			70			75			80	
Gln	Ala	Gly	Leu	Glu	Leu	Pro	Thr	Ser	Gly	Gly	Pro	Pro	Ala	Trp	Ala
					85			90					95		
Ser	Gln	Ser	Ala	Gly	Ile	Thr	Gly	Val	Ser	His	Arg	Ala	Trp	Pro	Glu
					100			105					110		
Asn	Ser	His	Phe												
			115												

<210>	363														
<211>	139														
<212>	PRT														
<213>	Homo sapiens														

<400> 363

Met Leu Ala Met Leu Leu Cys Met Leu Val Ser Val Phe Ile Leu Gly
1 5 10 15

Val Pro Tyr Arg Gly Ser Leu Leu Ile Leu Phe Phe Ile Ser Ser Leu
20 25 30

Phe Leu Leu Ser Thr Leu Gly Met Gly Leu Leu Ile Ser Thr Ile Thr
35 40 45

Arg Asn Gln Phe Asn Ala Ala Gln Val Ala Leu Asn Ala Ala Phe Leu
50 55 60

Pro Ser Ile Met Leu Ser Gly Phe Ile Phe Gln Ile Asp Ser Met Pro
65 70 75 80

Ala Val Ile Arg Ala Val Thr Tyr Ile Ile Pro Ala Arg Tyr Phe Val
85 90 95

Ser Thr Leu Gln Ser Leu Phe Leu Ala Gly Asn Ile Pro Val Val Leu
100 105 110

Val Val Asn Val Leu Phe Leu Ile Ala Ser Ala Val Met Phe Ile Gly
115 120 125

Leu Thr Trp Leu Lys Thr Lys Arg Arg Leu Asp
130 135

<210> 364

<211> 82

<212> PRT

<213> Homo sapiens

<400> 364

Met Gly Trp Gln Leu Arg Ala Leu Ser Ala Val Gly Leu Trp Phe Thr
1 5 10 15

Ala Gly Asp Ser His Leu Ser Val Gln Val Cys Gly Gly Pro Ala
20 25 30

Leu Thr Leu Trp His Leu Arg Ser Ser Thr Pro Thr Thr Ile Phe Pro
35 40 45

Ile Arg Ala Pro Gln Lys His Val Thr Phe Tyr Gln Asp Leu Val Arg
50 55 60

Pro Cys Val Ser Leu Leu Pro Pro Pro Leu Thr Leu Pro Phe Ser Pro
65 70 75 80

Asp Pro

<210> 365

<211> 59

<212> PRT

<213> Homo sapiens

<400> 365
Met Leu Cys His Ala Trp Leu Leu Leu Met Tyr Leu Phe Leu Glu Met
1 5 10 15

Arg Ser His Cys Val Ala Gln Thr Gly Leu Glu Leu Leu Ala Ser Ser
20 25 30

His Pro Pro Phe Ser Ala Ser Thr Val Ala Gly Ile Ser Gly Thr Cys
35 40 45

His Cys Ala Leu Leu Ile Pro Phe Lys Ile Arg
50 55

<210> 366
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 366
Met Asp His Met Ala Ser Asp Xaa Leu Glu Arg Leu Leu Val Ala Met
1 5 10 15

Val Phe Pro Cys Ala Gln Glu Val Glu Asn Glu Ile Gly Phe Gly Glu
20 25 30

His Leu Ala Leu Ala Arg Ser Gln Pro Pro Asp Phe Lys Ala Thr Phe
35 40 45

Leu Lys Pro Lys Val Val Val Gly Gln Val Trp Trp Leu Met Cys Val
50 55 60

Ile Pro Ala Leu Trp Glu Thr Glu Arg Val Asp His Leu Arg Ser Arg
65 70 75 80

Ala Gln Asp Gln Pro Ala Gln Cys Gly Lys Thr Pro Ser Leu Leu Lys
85 90 95

Ile Gln Thr Xaa Asn
100

<210> 367
<211> 31
<212> PRT
<213> Homo sapiens

<400> 367

Met	Ile	His	Leu	Phe	Leu	Leu	Pro	Cys	Pro	Asn	Cys	Val	Phe	Leu	Leu
1				5				10							15
Leu	His	Leu	Phe	Phe	Gln	Gln	Cys	Ala	Ala	Ser	Trp	Thr	Thr	Ser	
				20				25						30	

<210> 368

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 368

Ala	Asn	Thr	Ser	Thr	Arg	Ala	Ala	Leu	Tyr	Cys	Leu	Phe	Leu	Ser	Phe
1				5				10							15

Ile	Met	Phe	Ala	Ser	Val	Leu	Gln	Ile	Asn	Pro	Arg	Ser	Trp	Leu	Met
					20			25						30	

Lys	Xaa	Val	Ile	Thr	Val	Leu	Ala	Ala	Cys	Leu	Glu	Ser	Glu	Asn	Gln
					35			40						45	

Asn	Ala	Gln	Arg	Ile	Gly	Ala	Ala	Ala	Leu	Trp	Ala	Leu	Ile	Tyr	Asn
				50				55						60	

Tyr	Gln	Lys	Ala	Lys	Thr	Ala	Leu	Lys	Ser	Pro	Ser	Val	Lys	Arg	Arg
					65			70						80	

Val	Asp	Glu	Ala	Tyr	Ser	Leu	Ala	Lys	Lys	Thr	Phe	Pro	Asn	Ser	Glu
					85				90					95	

Ala	Asn	Pro	Leu	Asn	Ala	Tyr	Tyr	Leu	Lys	Cys	Leu	Glu	Asn	Leu	Val
					100			105						110	

Gln	Leu	Leu	Asn	Ser	Ser										
					115										

<210> 369

<211> 87

<212> PRT

<213> Homo sapiens

<400> 369

Met	Thr	Leu	Leu	Leu	Thr	Leu	Glu	Val	Asp	Pro	Gly	Thr	Gln	Gln	Arg
1				5				10						15	

Ala	Gly	Val	Gly	Ser	Gln	Gly	Gln	Ala	Val	Leu	Pro	Gly	Leu	Thr	Cys
					20			25						30	

Phe	Leu	Leu	Thr	Phe	Leu	Leu	Ala	Ala	Ser	Val	Tyr	Ile	Thr	Gln	Ser
					35			40						45	

Ala	Trp	Asp	Asn	Val	Glu	Val	Ala	Glu	Val	Thr	Gly	Tyr	Phe	Met	Phe
50				55			60								
Leu	His	Gly	Ile	Phe	Leu	Phe	Leu	Ile	Gly	Arg	Arg	Arg	Gln	Lys	Leu
65				70			75								80
Glu	Glu	Met	Gly	Leu	Leu	Ser									
				85											

<210> 370
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 370															
Met	Tyr	Pro	Val	Tyr	Thr	Thr	Ser	Asp	Phe	Cys	Ser	Gly	Thr	Phe	Val
1			5			10									15

Leu	Ile	Phe	Ala	Trp	Leu	Thr	Leu	Ser	Glu	Leu	Val	Arg	Val	Leu	His
					20			25							30

Arg	Lys	Ile	Ile	Asn	Trp	Phe	Phe	Ile	Phe	Leu	Arg	Arg	Phe	Tyr	Tyr
						35	40								45

Gly	Glu	Leu	Ala	Tyr	Ala	Asn	Met	Glu	Thr	Thr	Met	Cys	His	Leu	Gln
						50		55							60

Ala	Gly	Asp	Pro	Arg	Gln	Leu	Val	Val							
					65		70								

<210> 371
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 371															
Met	Tyr	Ser	Pro	Ser	Leu	Tyr	Leu	Leu	Pro	Ser	Leu	Pro	Ser	Leu	Leu
1					5			10							15

Gln	Leu	Ser	Leu	Ser	Arg	Ser	Pro	Arg	Phe	Asn	Lys	Gly	Leu	Gln	Arg
					20			25							30

Ala	Met	Glu	Lys	Thr	Met	Lys	Gly	Ser	Thr	Ile	Lys	Ile	Leu	Leu	Tyr
					35			40							45

Phe	Phe	His	His	Ile	Tyr	Ala	Ser	Leu	His	Thr	Phe	Ile	Pro	Leu	Pro
						50		55							60

Asn	Pro	Ser	Ile	Phe	Leu	Cys	Ile	Ser	Lys	Tyr	Ile	Ala	Asp	Ile	Ser
						65		70							80

Thr

<210> 372
<211> 61
<212> PRT
<213> Homo sapiens

<220>
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<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 372
Met Ser Lys Lys Ser Xaa Ser Tyr Lys Ile Arg Tyr Phe Ser Gln Ala
1 5 10 15

Trp Gln Leu Met Pro Val Ile Leu Val Leu Trp Glu Ala Glu Ala Gly
20 25 30

Gly Ser Leu Glu Ala Arg Gln Asp His Ile Xaa Arg Leu Cys Leu Cys
35 40 45

Lys Lys Lys Lys Arg Ala Ala Pro Leu Phe Phe Phe Phe
50 55 60

<210> 373
<211> 83
<212> PRT
<213> Homo sapiens

<400> 373
Met Leu Cys Ser Ser Phe Leu Pro Leu Ser Thr Ala Ala Ile Trp Ala
1 5 10 15

Ala Leu Phe Ser Gly Met Gly Ala Val Arg His Ser Pro Ser Glu Gly
20 25 30

Lys Arg Ser Leu Lys Ser Ser Arg Cys Leu His Phe Trp Pro Leu Pro
35 40 45

Thr Gly Cys Ser Ser Pro Pro Pro Cys Asn Val Thr Thr Lys Asn
50 55 60

Val Ser Arg Cys Cys Gln Lys Ser Ser Arg Asp Gly Arg Val Arg Leu
65 70 75 80

Pro Pro Arg

<210> 374
<211> 84
<212> PRT

<213> Homo sapiens

<400> 374

Met Gly Leu Arg Leu Pro Pro Pro Leu Cys Trp Phe Leu Cys Leu Thr
1 5 10 15

Ser Thr Gly Gln Val Pro Met Ala Gln Ala Arg Ala Gly Val Gln Gly
20 25 30

Pro Met Asp Gly Arg Met Pro Ser Asn Gly Cys Leu Pro Val Ser Pro
35 40 45

Arg Thr Pro Tyr Gly Met Pro Tyr Leu Gly Ala Leu Trp Pro Cys Trp
50 55 60

Pro Cys Ser Trp Gln Gly Arg Ser Thr Ser Arg His Pro Cys Gln Gln
65 70 75 80

Asp Leu Ser Gly

<210> 375

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 375

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
1 5 10 15

Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
20 25 30

Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
35 40 45

Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
50 55 60

Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 65 70 75 80
 Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 85 90 95
 Xaa Val Xaa Gly Pro Met Gly Xaa Pro Gly Xaa Pro Glu Ile Pro Val
 100 105 110
 Ser Val His Gly His Ser Ala Asp Pro Pro Ala Pro Cys Thr Gln Gln
 115 120 125
 Pro Asp Gln Ile Gln Arg Gly Pro His Gln Pro Ala Gly Arg Leu
 130 135 140

<210> 376
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 376
 Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15

Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30

Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45

Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60

Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 65 70 75 80

Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 85 90 95

Gly Val Pro Gly Pro Met Gly Ile Pro Gly Glu Pro Gly Glu Glu Gly
 100 105 110

Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr
 115 120 125

His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val Leu
 130 135 140

Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys
 145 150 155 160

Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr Ala
 165 170 175

Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val Lys Val Val Thr Phe
 180 185 190

Cys	Gly	His	Thr	Ser	Lys	Thr	Asn	Gln	Val	Asn	Ser	Gly	Gly	Val	Leu
195															205
Leu	Arg	Leu	Gln	Val	Gly	Glu	Glu	Val	Trp	Leu	Ala	Val	Asn	Asp	Tyr
210															220
Tyr	Asp	Met	Val	Gly	Ile	Gln	Gly	Ser	Asp	Ser	Val	Phe	Ser	Gly	Phe
225															240
Leu	Leu	Phe	Pro	Asp											
					245										

<210> 377
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 377															
Met	Cys	Ala	Met	Ala	Pro	Leu	Trp	Ser	Pro	Leu	Cys	Pro	Ser	Ile	Cys
1															15
Met	Cys	Ser	Val	Ser	Leu	Ala	Cys	Val	Arg	Val	Arg	Val	Ser	Ala	Tyr
			20					25							30
Ala	Ser	Thr	His	Trp	Ala	Leu	Gly	Cys	Ser	Gln	Gly	Lys	Phe	Asp	Leu
															45
Glu	Arg	Leu	Ser	Ser	Pro	Trp	Asn	Gln	Asp	Phe	Leu	Ser	Pro	Pro	His
							50		55						60
Pro	Gly	Pro	Val	Pro	Pro	Trp	Leu	Ser	Gly	Tyr	Trp	Gly	Met	Glu	Thr
							65		70						80
Leu	Gly	Glu													

<210> 378
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 378															
Met	Arg	Pro	Gln	Glu	Leu	Pro	Arg	Leu	Ala	Phe	Pro	Leu	Leu	Leu	
1															15
Leu	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Cys	Pro	Ala	His	Ser	Ala	Thr	
								20						30	
Arg	Phe	Asp	Pro	Thr	Trp	Glu	Ser	Leu	Asp	Ala	Arg	Gln	Leu	Pro	Ala
								35						45	
Trp	Phe	Asp	Gln	Ala	Lys	Phe	Gly	Ile	Phe	Ile	His	Trp	Gly	Val	Phe
								50						60	
Ser	Val	Pro	Ser	Phe	Gly	Ser	Glu	Trp	Phe	Trp	Leu	Tyr	Leu	Val	Gly
							65		70					80	

Val Arg Ile Phe Val Glu Leu Glu Cys His Arg
85 90

<210> 379
<211> 336
<212> PRT
<213> Homo sapiens

<400> 379
Met Leu Glu Thr Gly Leu Phe Phe Leu Leu Ser Trp Ser Ala Phe Leu
1 5 10 15
Ser Ala Glu Ala Ala Gly Leu Thr Gly Ile Val Ala Val Leu Phe Cys
20 25 30
Gly Val Thr Gln Ala His Tyr Thr Tyr Asn Asn Leu Ser Ser Asp Ser
35 40 45
Lys Ile Arg Thr Lys Gln Leu Phe Glu Phe Met Asn Phe Leu Ala Glu
50 55 60
Asn Val Ile Phe Cys Tyr Met Gly Leu Ala Leu Phe Thr Phe Gln Asn
65 70 75 80
His Ile Phe Asn Ala Leu Phe Ile Leu Gly Ala Phe Leu Ala Ile Phe
85 90 95
Val Ala Arg Ala Cys Asn Ile Tyr Pro Leu Ser Phe Leu Leu Asn Leu
100 105 110
Gly Arg Lys Gln Lys Ile Pro Trp Asn Phe Gln His Met Met Met Phe
115 120 125
Ser Gly Leu Arg Gly Ala Ile Ala Phe Ala Leu Ala Ile Arg Asn Thr
130 135 140
Glu Ser Gln Pro Lys Gln Met Met Phe Thr Thr Thr Leu Leu Leu Val
145 150 155 160
Phe Phe Thr Val Trp Val Phe Gly Gly Thr Thr Pro Met Leu Thr
165 170 175
Trp Leu Gln Ile Arg Val Gly Val Asp Leu Asp Glu Asn Leu Lys Glu
180 185 190
Asp Pro Ser Ser Gln His Gln Glu Ala Asn Asn Leu Asp Lys Asn Met
195 200 205
Thr Lys Ala Glu Ser Ala Arg Leu Phe Arg Met Trp Tyr Ser Phe Asp
210 215 220
His Lys Tyr Leu Lys Pro Ile Leu Thr His Ser Gly Pro Pro Leu Thr
225 230 235 240
Thr Thr Leu Pro Glu Trp Cys Gly Pro Ile Ser Arg Leu Leu Thr Ser
245 250 255

Pro Gln Ala Tyr Gly Glu Gln Leu Lys Glu Asp Asp Val Glu Cys Ile
260 265 270
Val Asn Gln Asp Glu Leu Ala Ile Asn Tyr Gln Glu Gln Ala Ser Ser
275 280 285
Pro Cys Ser Pro Pro Ala Arg Leu Gly Leu Asp Gln Lys Ala Ser Pro
290 295 300
Gln Thr Pro Gly Lys Glu Asn Ile Tyr Glu Gly Asp Leu Gly Leu Gly
305 310 315 320
Gly Tyr Glu Leu Lys Leu Glu Gln Thr Leu Gly Gln Ser Gln Leu Asn
325 330 335

<210> 380
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (50)
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<220>
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<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 380
Met Gln Trp Leu Xaa Ile Thr Pro Arg Leu Phe Tyr Phe Pro Leu Leu
 1           5           10          15

Leu Leu Xaa Leu Gly Ser Xaa Lys Xaa Leu Xaa Ile Ser Ile Leu Xaa
 20          25          30

Xaa Gly Xaa Val Leu Leu His Xaa Ser Xaa Arg Met His Gly Xaa Asn
 35          40          45

Met Xaa Xaa Gln Ser Leu Xaa Phe Lys Val Lys Leu Ser Ser Pro Leu
 50          55          60

Pro Ser Gln Xaa Leu Gly Leu Arg
 65          70

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<210> 381
<211> 75

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<212> PRT
<213> Homo sapiens

<400> 381

Met Gly Ala Ser Leu Cys Leu Thr Gln Leu Leu Leu Leu Gly Lys
1 5 10 15

Gly Gly Leu Gly Gln Ala Ser Ile Pro Leu Val Lys Thr Pro Ala Gly
20 25 30

His Gln Ala Phe Trp Thr Arg Thr His Thr His Thr His Thr
35 40 45

His Lys Thr Ser Gln Gln Ala Ser Cys Ser Asp Leu Ser Ser Arg Val
50 55 60

Thr Ser Ala Ala Pro Pro Ser His Pro Phe Leu
65 70 75

<210> 382

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Met Cys Val His Thr Cys Val Cys Met Cys Val His Thr Cys Val Cys
1 5 10 15

Val His Ala Cys Val Trp Ala His Val Cys Met Cys Val Cys Glu Cys
20 25 30

Val Cys Trp Gly Gly Met Ala Leu Gly Lys Val Cys Pro Gly Trp
35 40 45

Lys Pro His Ser Leu Pro Ser Ala Trp Arg Trp Ala Cys Ala Trp Arg
50 55 60

Pro Ile Ala Arg Arg Leu Arg Pro Thr Gly Ala Thr Xaa Thr Val Pro
65 70 75 80

Leu

<210> 383

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 383

Met His Pro Pro Pro Gly Val Trp Leu Leu His Leu His Thr Pro Leu
1 5 10 15

Arg Gly Phe Cys Leu Pro Leu Pro Leu Arg Ser Gln Glu Ala Val Pro
20 25 30

Gly Arg Gly Arg Arg His Leu Ser Pro Gln Leu Leu Thr Pro His Pro
35 40 45

Leu Thr Ser Ser Pro Phe Val Lys Tyr Thr Gln Asp Glu Thr Cys Thr
50 55 60

Gln Trp Leu Thr Ala Ala Arg Phe Val Thr Ala Arg Gly Gly Glu His
65 70 75 80

Arg Thr Pro Ser Glu Gly Glu Gly Ile Ser Thr Ala Pro Pro Pro Cys
85 90 95

Trp Asn Glu Thr Gln Pro Gln Gly Ala Thr Ser Asp Pro Gly His
100 105 110

Ser Ala Asp Xaa Pro
115

<210> 384

<211> 167

<212> PRT

<213> Homo sapiens

<400> 384

Pro Gly Pro Gly Ser Cys Leu Leu His Leu Ser Ser Gln Asn Leu Trp
1 5 10 15

Gln Pro Glu Phe Phe Asn Ser Leu Ser Leu Ser Leu His Gln Leu His
20 25 30

Ser Arg Ile Asn Arg Lys Val Ala Ala Arg Pro Ala Gly Pro Leu Val
35 40 45

Ser Leu Pro Leu His Leu Gly Val Ser Gln Pro Leu Pro Gly Ser Pro
50 55 60

Gln Glu Ala Met Ala Pro Leu Ala Phe Val Cys Leu Ser Gly Gly Ala
65 70 75 80

Asp Ser Arg Gly Thr Cys Pro Ser Ala Ala Glu Trp Pro Pro Cys Pro
85 90 95

Ala Lys Pro Asp Val His Ser Pro Gly Ala Pro Pro Pro Leu Ser
100 105 110

Cys Pro Gly Pro Trp Gly Thr Asn Ser Pro Ile Ser Thr Arg Ala Leu
115 120 125

Ala His His His Gly Thr Leu Pro Pro Arg Pro Ser Pro Pro Leu Leu

130

135

140

Cys Pro Ser Trp Pro His Leu Ala Ser Pro Gly Gly Glu Leu Ser Pro
145 150 155 160

Ala Val Pro Thr Leu Pro Pro
165

<210> 385
<211> 277
<212> PRT
<213> Homo sapiens

<400> 385
Arg Arg Val Val Ile Asp Pro Gln Glu Lys Pro Ser Glu Glu Pro Leu
1 5 10 15

Gly Asp Arg Arg Thr Val Ile Asp Lys Cys Ser Pro Pro Leu Glu Phe
20 25 30

Leu Asp Asp Ser Asp Ser His Leu Glu Ile Gln Lys His Lys Asp Arg
35 40 45

Glu Val Val Met Glu His Pro Ser Ser Gly Ser Asp Trp Ser Asp Val
50 55 60

Glu Glu Ile Ser Thr Val Arg Phe Ser Gln Glu Glu Pro Val Ser Leu
65 70 75 80

Lys Pro Ser Ala Val Pro Glu Pro Ser Ser Phe Thr Thr Asp Tyr Val
85 90 95

Met Tyr Pro Pro His Leu Tyr Ser Ser Pro Trp Cys Asp Tyr Ala Ser
100 105 110

Tyr Trp Thr Ser Ser Pro Lys Pro Ser Ser Tyr Pro Ser Thr Gly Ser
115 120 125

Ser Ser Asn Asp Ala Ala Gln Val Gly Lys Ser Ser Arg Ser Arg Met
130 135 140

Ser Asp Tyr Ser Pro Asn Ser Thr Gly Ser Val Gln Asn Thr Ser Arg
145 150 155 160

Asp Met Glu Ala Ser Glu Glu Gly Trp Ser Gln Asn Ser Arg Ser Phe
165 170 175

Arg Phe Ser Arg Ser Ser Glu Glu Arg Glu Val Lys Glu Lys Arg Thr
180 185 190

Phe Gln Glu Glu Met Pro Pro Arg Pro Cys Gly Gly His Ala Ser Ser
195 200 205

Ser Leu Pro Lys Ser His Leu Glu Pro Ser Leu Glu Glu Gly Phe Ile
210 215 220

Asp Thr His Cys His Leu Asp Met Leu Tyr Ser Lys Leu Ser Phe Gln
225 230 235 240

Gly Thr Phe Thr Lys Phe Arg Lys Ile Tyr Ser Ser Ser Phe Pro Lys
245 250 255

Glu Phe Gln Gly Cys Ile Ser Asp Phe Cys Val Arg Gly Gly Lys Ala
260 265 270

Glu Met Thr Trp Lys
275

<210> 386

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 386

Trp Phe Ala Ala Leu Val Lys Cys Leu Pro Val Leu Cys Leu Ala Gly
1 5 10 15

Phe Leu Trp Val Met Ser Pro Ser Gly Gly Tyr Thr Gln Leu Leu Gln
20 25 30

Gly Ala Leu Val Cys Ser Ala Val Gly Asp Ala Cys Leu Ile Trp Pro
35 40 45

Ala Ala Phe Val Pro Gly Met Ala Ala Phe Ala Thr Ala His Leu Leu
50 55 60

Tyr Val Trp Ala Phe Gly Phe Ser Pro Leu Gln Pro Gly Leu Leu Leu
65 70 75 80

Leu Ile Ile Leu Ala Pro Gly Pro Tyr Leu Ser Leu Val Leu Gln His
85 90 95

Leu Glu Pro Asp Met Val Leu Pro Val Ala Ala Tyr Gly Leu Ile Leu
100 105 110

Met Ala Met Leu Trp Arg Gly Leu Ala Gln Gly Gly Ser Ala Gly Trp
115 120 125

Gly Ala Leu Leu Phe Thr Leu Ser Asp Gly Val Leu Ala Trp Asp Thr
130 135 140

Phe Ala Gln Pro Leu Pro His Ala Xaa Leu Val Ile Met Thr Thr Tyr
145 150 155 160

Tyr Ala Ala Gln Leu Leu Ile Thr Leu Ser Ala Leu
165 170

<210> 387

<211> 156

<212> PRT

<213> Homo sapiens

<400> 387

Arg Pro Gly Ala Asp Cys Glu Val Cys Lys Glu Phe Leu Asn Arg Phe
1 5 10 15

Tyr Lys Ser Leu Ile Asp Arg Gly Val Asn Phe Ser Leu Asp Thr Ile
20 25 30

Glu Lys Glu Leu Ile Ser Phe Cys Leu Asp Thr Lys Gly Lys Glu Asn
35 40 45

Arg Leu Cys Tyr Tyr Leu Gly Ala Thr Lys Asp Ala Ala Thr Lys Ile
50 55 60

Leu Ser Glu Val Thr Arg Pro Met Ser Val His Met Pro Ala Met Lys
65 70 75 80

Ile Cys Glu Lys Leu Lys Leu Asp Ser Gln Ile Cys Glu Leu Lys
85 90 95

Tyr Glu Lys Thr Leu Asp Leu Ala Ser Val Asp Leu Arg Lys Met Arg
100 105 110

Val Ala Glu Leu Lys Gln Ile Leu His Ser Trp Gly Glu Glu Cys Arg
115 120 125

Ala Cys Ala Glu Lys Thr Asp Tyr Val Asn Leu Ile Gln Glu Leu Ala
130 135 140

Pro Lys Tyr Ala Ala Thr His Pro Lys Thr Glu Leu
145 150 155

<210> 388

<211> 268

<212> PRT

<213> Homo sapiens

<400> 388

Phe Phe Ser Val Tyr Ala Gln Leu Trp Leu Val Leu Leu Tyr Gly His
1 5 10 15

Lys Arg Leu Ser Tyr Gln Thr Val Phe Leu Ala Leu Cys Leu Leu Trp
20 25 30

Ala Ala Leu Arg Thr Thr Leu Phe Ser Phe Tyr Phe Arg Asp Thr Pro
35 40 45

Arg Ala Asn Arg Leu Gly Pro Leu Pro Phe Trp Leu Leu Tyr Cys Cys
50 55 60

Pro Val Cys Leu Gln Phe Phe Thr Leu Thr Leu Met Asn Leu Tyr Phe
65 70 75 80

Ala Gln Val Val Phe Lys Ala Lys Val Lys Arg Arg Pro Glu Met Ser
85 90 95

Arg Gly Leu Leu Ala Val Arg Gly Ala Phe Val Gly Ala Ser Leu Leu
100 105 110

Phe Leu Leu Val Asn Val Leu Cys Ala Val Leu Ser His Arg Arg Arg
115 120 125

Ala Gln Pro Trp Ala Leu Leu Leu Val Arg Val Leu Val Ser Asp Ser
 130 135 140

Leu Phe Val Ile Cys Ala Leu Ser Leu Ala Ala Cys Leu Cys Leu Val
 145 150 155 160

Ala Arg Arg Ala Pro Ser Thr Ser Ile Tyr Leu Glu Ala Lys Gly Thr
 165 170 175

Ser Val Cys Gln Ala Ala Ala Met Gly Gly Ala Met Val Leu Leu Tyr
 180 185 190

Ala Ser Arg Ala Cys Tyr Asn Leu Thr Ala Leu Ala Leu Ala Pro Gln
 195 200 205

Ser Arg Leu Asp Thr Phe Asp Tyr Asp Trp Tyr Asn Val Ser Asp Gln
 210 215 220

Ala Asp Leu Val Asn Asp Leu Gly Asn Lys Gly Tyr Leu Val Phe Gly
 225 230 235 240

Leu Ile Leu Phe Val Trp Glu Leu Leu Pro Thr Thr Leu Leu Val Gly
 245 250 255

Phe Phe Arg Val His Arg Pro Pro Gln Asp Leu Ser
 260 265

<210> 389
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 389
 Ser Glu Lys Arg Tyr Pro Gln Pro Arg Gly Gln Lys Lys Lys Lys Val
 1 5 10 15

Val Lys Tyr Gly Met Gly Gly Met Ile Ile Val Leu Leu Ile Cys Ile
 20 25 30

Val Trp Phe Pro Leu Leu Phe Met Ser Leu Ile Lys Ser Val Ala Gly
 35 40 45

Val Ile Asn Gln Pro Leu Asp Val Ser Val Thr Ile Thr Leu Gly Gly
 50 55 60

Tyr Gln Pro Ile Phe Thr Met Ser Ala Gln Gln Ser Gln Leu Lys Ile
 65 70 75 80

Met Asp Gln Gln Ser Phe Asn Lys Phe Ile Gln Ala Phe Ser Arg Asp
 85 90 95

Thr Gly Ala Met Gln Phe Leu Glu Asn Tyr Glu Lys Glu Asp Ile Thr
 100 105 110

Val Ala Glu Leu Glu Gly Asn Ser Asn Ser Leu Trp Thr Ile Ser Pro
 115 120 125

Pro Ser Lys Gln Lys Met Ile His Glu Leu Leu Asp Pro Asn Ser Ser
 130 135 140

Phe	Ser	Val	Val	Phe	Ser	Trp	Ser	Ile	Gln	Arg	Asn	Leu	Ser	Leu	Gly
145				150					155					160	
Ala	Lys	Ser	Glu	Ile	Ala	Thr	Asp	Lys	Leu	Ser	Phe	Pro	Leu	Lys	Asn
	165					170								175	
Ile	Thr	Arg	Lys	Asn	Ile	Ala	Lys	Met	Ile	Ala	Gly	Asn	Ser	Thr	Glu
	180					185								190	
Ser	Ser	Lys	Thr	Pro	Val	Thr	Ile	Glu	Lys	Ile	Tyr	Pro	Tyr	Tyr	Val
	195				200							205			
Lys	Ala	Pro	Ser	Asp	Ser	Asn	Ser	Lys	Pro	Ile	Lys	Gln	Leu		
	210				215						220				
<210>	390														
<211>	267														
<212>	PRT														
<213>	Homo sapiens														
<400>	390														
Thr	Asp	Gly	Glu	Ser	Arg	Phe	Tyr	Ser	Leu	Gly	His	Leu	Ser	Ile	Gln
1			5					10					15		
Arg	Ala	Ala	Leu	Val	Val	Leu	Glu	Asn	Tyr	Tyr	Lys	Asp	Phe	Thr	Ile
	20				25							30			
Tyr	Asn	Pro	Asn	Leu	Leu	Thr	Ala	Ser	Lys	Phe	Arg	Ala	Ala	Lys	His
	35					40						45			
Met	Ala	Gly	Leu	Lys	Val	Tyr	Asn	Val	Asp	Gly	Pro	Ser	Asn	Asn	Ala
	50					55					60				
Thr	Gly	Gln	Ser	Arg	Ala	Met	Ile	Ala	Ala	Ala	Arg	Arg	Arg	Asp	
	65					70			75				80		
Ser	Ser	His	Asn	Glu	Leu	Tyr	Tyr	Glu	Glu	Ala	Glu	His	Glu	Arg	Arg
					85			90				95			
Val	Lys	Lys	Arg	Lys	Ala	Arg	Leu	Val	Val	Ala	Val	Glu	Glu	Ala	Phe
					100			105				110			
Ile	His	Ile	Gln	Arg	Leu	Gln	Ala	Glu	Glu	Gln	Gln	Lys	Ala	Pro	Gly
					115			120				125			
Glu	Val	Met	Asp	Pro	Arg	Glu	Ala	Ala	Gln	Ala	Ile	Phe	Pro	Ser	Met
					130			135			140				
Ala	Arg	Ala	Leu	Gln	Lys	Tyr	Leu	Arg	Ile	Thr	Arg	Gln	Gln	Asn	Tyr
					145			150		155			160		
His	Ser	Met	Glu	Ser	Ile	Leu	Gln	His	Leu	Ala	Phe	Cys	Ile	Thr	Asn
					165				170			175			
Gly	Met	Thr	Pro	Lys	Ala	Phe	Leu	Glu	Arg	Tyr	Leu	Ser	Ala	Gly	Pro
					180			185			190				
Thr	Leu	Gln	Tyr	Asp	Lys	Asp	Arg	Trp	Leu	Ser	Thr	Gln	Trp	Arg	Leu
					195			200			205				

Val Ser Asp Glu Ala Leu Thr Asn Gly Leu Arg Asp Gly Ile Val Phe
210 215 220

Val Leu Lys Cys Leu Asp Phe Ser Leu Val Val Asn Val Lys Lys Ile
225 230 235 240

Pro Phe Ile Ile Leu Ser Glu Glu Phe Ile Asp Pro Lys Ser His Lys
245 250 255

Phe Val Leu Arg Leu Gln Ser Glu Thr Ser Val
260 265

<210> 391

<211> 97

<212> PRT

<213> Homo sapiens

<400> 391

Gln Ser Cys Tyr Val Ala Gln Ala Gly Val Gln Trp His Asn His Ser
1 5 10 15

Ser Leu Gln Pro Leu Ser Pro Gly Phe Lys Arg Phe Phe Cys Leu Asn
20 25 30

Leu Pro Ser Ser Trp Asp Tyr Arg His Met Ala Thr Cys Pro Trp Leu
35 40 45

Ile Phe Val Phe Leu Val Glu Met Glu Phe Arg His Val Gly Gln Ala
50 55 60

Gly Leu Gly Leu Leu Thr Ser Ser Asp Leu Pro Ala Leu Ala Phe Gln
65 70 75 80

Ser Ala Gly Ile Thr Gly Leu Ser His His Ala Trp Pro Gly Arg Phe
85 90 95

Leu

<210> 392

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 392

Phe Phe Val Phe Leu Val Glu Met Gly Phe Arg His Val Gly Gln Xaa
1 5 10 15

Gly Leu Glu Leu Leu Thr Ser Gly Tyr Pro Ser Xaa Leu Thr Ser Gln
20 25 30

Ser Ala Gly Ile Thr Gly Met Ser His His Xaa Arg
35 40

<210> 393

<211> 25

<212> PRT

<213> Homo sapiens

<400> 393

Gln Gly Ser Cys Leu Ser Leu Pro Ser Ser Trp Gly Tyr Arg Cys Pro
1 5 10 15

Pro Pro His Pro Gly Asn Phe Leu Tyr
20 25

<210> 394

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 394

Met Phe Phe Cys Phe Xaa Arg Trp Glu Pro Cys Ser Val Thr Gln Ala
1 5 10 15

Gly Val Gln Trp Cys Asp Leu Ser Ser
20 25

<210> 395

<211> 18

<212> PRT

<213> Homo sapiens

<400> 395

Pro Ala Ser Ala Ser Arg Val Ala Gly Val Thr Gly Ala Pro His His
1 5 10 15

Thr Gln

<210> 396

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 396

Leu Xaa Lys Cys Trp Asp Tyr Arg Tyr Glu Pro Pro Arg Pro Ala
1 5 10 15

<210> 397

<211> 157

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 397

Val Asn Pro Glu Val Trp Met Asn Thr Ser Glu Ile Ile Ile Tyr Asn
1 5 10 15

Gly Tyr Pro Ser Glu Glu Tyr Glu Val Thr Thr Glu Asp Gly Tyr Ile
20 25 30

Leu Leu Val Asn Arg Ile Pro Tyr Gly Arg Thr His Ala Arg Ser Thr
35 40 45

Gly Pro Arg Pro Val Val Tyr Met Gln His Ala Leu Phe Ala Asp Asn
50 55 60

Ala Tyr Trp Leu Glu Asn Tyr Ala Asn Gly Ser Leu Gly Phe Leu Leu
65 70 75 80

Ala Asp Ala Gly Tyr Asp Val Trp Met Gly Asn Ser Arg Gly Asn Thr
85 90 95

Trp Ser Arg Arg His Lys Thr Leu Ser Glu Thr Asp Glu Lys Phe Trp
100 105 110

Ala Phe Ser Phe Asp Glu Met Ala Lys Tyr Asp Leu Pro Gly Val Ile
115 120 125

Asp Phe Ile Val Asn Lys Thr Gly Gln Glu Lys Leu Xaa Phe Ile Gly
130 135 140

His Ser Leu Gly Thr Thr Ile Gly Phe Val Ala Phe Ser
145 150 155

<210> 398

<211> 16

<212> PRT

<213> Homo sapiens

<400> 398

Met Pro Glu Leu Ala Gln Arg Ile Lys Met Asn Phe Ala Leu Gly Pro
1 5 10 15

<210> 399

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 399

Phe Phe Leu Arg Gln Cys Leu Ile Leu Leu Pro Arg Leu Glu Cys Ser
1 5 10 15

Gly Met Ser Ile Thr His Cys Ser Leu Asp Leu Leu Gly Ser Ser Asn
20 25 30

Pro Pro Thr Ser Val Ser His Val Val Trp Thr Thr Gly Thr His His
35 40 45

Arg Asp Trp Leu Ile Phe Xaa Phe Phe Val Glu Met Glu Ser His Phe
50 55 60

Phe Ala Gln Ala Gly Trp Ser Xaa Leu Asn Ser
65 70 75

<210> 400

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 400

Ile Lys Phe Leu Gly Xaa Ser Asp Pro Pro Ile Leu Cys Ser Gln Ser
1 5 10 15

Ala Gly Ile Thr Gly Met Ser His Cys Ala His Pro
20 25

<210> 401

<211> 237

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (226)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 401

Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro Thr Trp Leu Thr
1 5 10 15

Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr Glu Val Ala Val

20

25

30

Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val Pro Ile Leu His
 35 40 45

Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly Ile Ser Thr Asp
 50 55 60

Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn Thr Ile Cys Leu
 65 70 75 80

Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu Asp Glu Asp Ile
 85 90 95

Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile Glu Ile Asn Ser
 100 105 110

Leu His Met Val Thr Glu Tyr Asn Pro Val Ala Ser Pro Glu Tyr Glu
 115 120 125

Glu Asn Met His Arg Tyr Gln Lys Ala Ala Lys Leu Phe Gln Gly Lys
 130 135 140

Ile Leu Phe Ile Leu Val Asp Ser Gly Met Lys Glu Asn Gly Lys Val
 145 150 155 160

Ile Ser Phe Phe Lys Leu Lys Glu Ser Gln Leu Pro Ala Leu Ala Ile
 165 170 175

Tyr Gln Thr Leu Asp Asp Glu Trp Asp Thr Leu Pro Thr Ala Glu Val
 180 185 190

Ser Val Glu His Val Gln Asn Phe Cys Asp Gly Phe Leu Ser Gly Lys
 195 200 205

Leu Leu Lys Glu Asn Arg Glu Ser Glu Gly Lys Thr Pro Lys Val Glu
 210 215 220

Leu Xaa Leu Leu Leu Gly Thr Thr Tyr Gly Gln Val Ser
 225 230 235

<210> 402

<211> 209

<212> PRT

<213> Homo sapiens

<400> 402

Asp Gly Ala Asp Val Asn Tyr Gln Ser Lys Glu Gly Lys Ser Pro Leu
 1 5 10 15

His Met Ala Ala Ile His Gly Arg Phe Thr Arg Ser Gln Ile Leu Ile
 20 25 30

Gln Asn Gly Ser Glu Ile Asp Cys Ala Asp Lys Phe Gly Asn Thr Pro
 35 40 45

Leu His Val Ala Ala Arg Tyr Gly His Glu Leu Leu Ile Ser Thr Leu
 50 55 60

Met Thr Asn Gly Ala Asp Thr Ala Arg Arg Gly Ile His Asp Met Phe

65	70	75	80
Pro Leu His Leu Ala Val Leu Phe Gly Phe Ser Asp Cys Cys Arg Lys			
85	90	95	
Leu Leu Ser Ser Gly Gln Leu Tyr Ser Ile Val Ser Ser Leu Ser Asn			
100	105	110	
Glu His Val Leu Ser Ala Gly Phe Asp Ile Asn Thr Pro Asp Asn Leu			
115	120	125	
Gly Arg Thr Cys Leu His Ala Ala Ala Ser Gly Gly Asn Val Glu Cys			
130	135	140	
Leu Asn Leu Leu Leu Ser Ser Gly Ala Asp Leu Arg Arg Arg Asp Lys			
145	150	155	160
Phe Gly Arg Thr Pro Leu His Tyr Ala Ala Ala Asn Gly Ser Tyr Gln			
165	170	175	
Cys Ala Val Thr Leu Val Thr Ala Gly Ala Gly Val Asn Glu Ala Asp			
180	185	190	
Cys Lys Gly Cys Ser Pro Leu His Tyr Ala Ala Ala Ser Asp Thr Tyr			
195	200	205	
Arg			

<210> 403
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 403			
Lys Ser Pro Leu His Met Ala Ala Ile His Gly Arg Phe Thr Arg Ser			
1	5	10	15
Gln Ile Leu Ile Gln Asn Gly Ser Glu Ile Asp Cys Ala Asp Lys Phe			
20	25	30	
Gly Asn Thr Pro Leu His Val Ala Ala Arg Tyr Gly His Glu Leu Leu			
35	40	45	
Ile Ser Thr Leu Met Thr Asn Gly Ala Asp Thr Ala Arg Arg Gly Ile			
50	55	60	
His Asp Met Phe Pro Leu His Leu Ala Val Leu Phe Gly Phe Ser Asp			
65	70	75	80
Cys Cys Arg Lys Leu Leu Ser Ser Gly Gln Leu Tyr Ser Ile Val Ser			
85	90	95	
Ser Leu Ser Asn Glu His Val Leu Ser Ala Gly Phe Asp Ile Asn Thr			
100	105	110	
Pro Asp Asn Leu Gly Arg Thr Cys Leu His Ala Ala Ser Gly Gly			
115	120	125	
Asn Val Glu Cys Leu Asn Leu Leu Ser Ser Gly Ala Asp Leu Arg			
250			

130 135 140

Arg Arg Asp Lys Phe Gly Arg Thr Pro Leu His Tyr Ala Ala Ala Asn
145 150 155 160

Gly Ser Tyr Gln Cys Ala Val Thr Leu Val Thr Ala Gly Ala Gly Val
165 170 175

Asn Glu Ala Asp Cys Lys Gly Cys Ser Pro Leu His Tyr Ala Ala Ala
180 185 190

<210> 404

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (252)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 404

Met Gly Pro Pro Pro Gly Ala Gly Val Ser Cys Arg Gly Gly Cys Gly
1 5 10 15

Phe Ser Arg Leu Leu Ala Trp Cys Phe Leu Leu Ala Leu Ser Pro Gln
20 . 25 30

Ala Pro Gly Ser Arg Gly Ala Glu Ala Val Trp Thr Ala Tyr Leu Asn
35 40 45

Val Ser Trp Arg Val Pro His Thr Gly Val Asn Arg Thr Val Trp Glu
50 55 60

Leu Ser Glu Glu Gly Val Tyr Gly Gln Asp Ser Pro Leu Glu Pro Val
65 70 75 80

Ala Gly Val Leu Val Pro Pro Asp Gly Pro Gly Ala Leu Asn Ala Cys
85 90 95

Asn Pro His Thr Asn Phe Thr Val Pro Thr Val Trp Gly Ser Thr Val
100 105 110

Gln Val Ser Trp Leu Ala Leu Ile Gln Arg Gly Gly Cys Thr Phe
115 120 125

Ala Asp Lys Ile His Leu Ala Tyr Glu Arg Gly Ala Ser Gly Ala Val
130 135 140

Ile Phe Asn Phe Pro Gly Thr Arg Asn Glu Val Ile Pro Met Ser His
145 150 155 160

Pro Gly Ala Val Asp Ile Val Ala Ile Met Ile Gly Asn Leu Lys Gly
165 170 175

Thr Lys Ile Leu Gln Ser Ile Gln Arg Gly Ile Gln Val Thr Met Val
180 185 190

Ile Glu Val Gly Lys Lys His Gly Pro Trp Val Asn His Tyr Ser Ile
195 200 205

Phe Phe Arg Phe Cys Val Leu Phe Tyr Tyr Gly Gly Asn Cys Gly
210 215 220

Leu Phe Tyr Leu Leu Phe Cys Ser Lys Ala Thr Glu Cys Lys Ser Ser
225 230 235 240

Lys Gln Glu Ala Glu Ala Ile Lys Gly Arg Cys Xaa Lys Ser Tyr Trp
245 250 255

Lys Ala Ser Thr Thr His Thr Glu Thr Arg Arg Gln Gly Asn
260 265 270

<210> 405

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 405

Phe Phe Tyr Phe Tyr Phe Leu Arg Trp Ser Leu Gly Leu Leu Pro Arg
1 5 10 15

Leu Glu Cys Ser Gly Thr Ile Ser Ala His Cys Lys Leu Arg Leu Pro
20 25 30

Asp Thr Asn Asn Ser Pro Ala Ser Ala Ser Xaa Val Ala Gly Ile Thr
35 40 45

Gly Ala Cys His His Ala Trp Leu Ile Phe Leu Phe Leu Val Asp
50 55 60

<210> 406

<211> 27

<212> PRT

<213> Homo sapiens

<400> 406

Lys Gly Cys Leu Pro Phe Ser Ser Ser Ser Trp Pro Gly Val Pro
1 5 10 15

Thr Leu Ala Ser Leu Phe Gly Arg Leu Trp Phe
20 25

<210> 407

<211> 92

<212> PRT

<213> Homo sapiens

<400> 407

Ile Ser Asp Leu Val Gly Arg Val Val Ser Gly Trp Leu Gly Asp Ala
1 5 10 15

Val Pro Gly Pro Val Thr Arg Leu Leu Met Leu Trp Thr Thr Leu Thr
 20 25 30

Gly Val Ser Leu Ala Leu Phe Pro Val Ala Gln Ala Pro Thr Ala Leu
 35 40 45

Val Ala Leu Ala Val Ala Tyr Gly Phe Thr Ser Gly Ala Leu Ala Pro
 50 55 60

Leu Ala Phe Ser Val Leu Pro Glu Leu Ile Gly Thr Arg Arg Ile Tyr
 65 70 75 80

Cys Gly Leu Gly Leu Leu Gln Met Ile Glu Ser Ile
 85 90

<210> 408
 <211> 221
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (176)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 408
 Arg Phe Glu Phe Cys Glu Pro Ala Phe Val Val Gly Asn Cys Leu Gln
 1 5 10 15

Ile Ala Ser Asp Ser His Gln Tyr Asp Arg Ile Tyr Cys Gly Ala Gly
 20 25 30

Val Gln Lys Asp His Glu Asn Tyr Met Lys Ile Leu Leu Lys Val Gly
 35 40 45

Gly Ile Leu Val Met Pro Ile Glu Asp Gln Leu Thr Gln Ile Met Arg
 50 55 60

Thr Gly Gln Asn Thr Trp Glu Ser Lys Asn Ile Leu Ala Val Ser Phe
 65 70 75 80

Ala Pro Leu Val Gln Pro Ser Lys Asn Asp Asn Gly Lys Pro Asp Ser
 85 90 95

Val Gly Leu Pro Pro Cys Ala Val Arg Asn Leu Gln Asp Leu Ala Arg
 100 105 110

Ile Tyr Ile Arg Arg Thr Leu Arg Asn Phe Ile Asn Asp Glu Met Gln
 115 120 125

Ala Lys Gly Ile Pro Gln Arg Ala Pro Pro Lys Arg Lys Arg Lys Arg
 130 135 140

Val Lys Gln Arg Ile Asn Thr Tyr Val Phe Val Gly Asn Gln Leu Ile
 145 150 155 160

Pro Gln Pro Leu Asp Ser Glu Glu Asp Glu Lys Met Glu Glu Asp Xaa
 165 170 175

Lys Glu Glu Glu Lys Asp His Asn Glu Ala Met Lys Pro Glu Glu

180

185

190

Pro Pro Gln Asn Leu Leu Arg Glu Lys Ile Met Lys Leu Pro Leu Pro
195 200 205

Glu Ser Leu Lys Ala Tyr Leu Thr Tyr Phe Arg Asp Lys
210 215 220

<210> 409

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 409

Leu Phe Ser Cys His Arg Ser Glu Lys Thr Cys Arg Arg Trp Met Ala
1 5 10 15

Leu Asp Tyr Ala Gly Ile Ser Ile Gly Ile Leu Gly Cys Tyr Val Ser
20 25 30

Gly Val Phe Tyr Ala Phe Tyr Cys Asn Asn Tyr Trp Arg Gln Val Tyr
35 40 45

Leu Ile Thr Val Leu Ala Met Ile Leu Ala Val Phe Phe Ala Gln Ile
50 55 60

His Pro Asn Tyr Leu Thr Gln Gln Trp Gln Arg Leu Arg Ser Ile Ile
65 70 75 80

Phe Cys Ser Val Ser Gly Tyr Gly Val Ile Pro Thr Leu His Trp Val
85 90 95

Trp Leu Asn Gly Gly Ile Gly Ala Pro Ile Val Gln Asp Phe Ala Pro
100 105 110

Arg Val Ile Val Met Tyr Met Ile Ala Leu Leu Ala Phe Leu Phe Tyr
115 120 125

Ile Ser Lys Val Pro Glu Arg Xaa Phe
130 135

<210> 410

<211> 121

<212> PRT

<213> Homo sapiens

<400> 410

Glu Thr Ala Ala Glu Tyr Val Lys Ser Arg Leu Pro Glu Ala Leu Lys
1 5 10 15

Gln His Leu Gln Asp Tyr Glu Lys Asp Lys Glu Asn Ser Val Leu Ser
20 25 30

Tyr Gln Thr Ile Leu Glu Gln Gln Ile Leu Ser Ile Asp Arg Glu Met
35 40 45

Leu Glu Lys Leu Thr Val Ser Tyr Asp Glu Ala Gly Thr Thr Cys Leu
50 55 60

Ile Ala Leu Leu Ser Asp Lys Asp Leu Thr Val Ala Asn Val Gly Asp
65 70 75 80

Ser Arg Gly Val Leu Cys Asp Lys Asp Gly Asn Ala Ile Pro Leu Ser
85 90 95

His Asp His Lys Pro Tyr Gln Leu Lys Glu Arg Lys Arg Ile Lys Arg
100 105 110

Ala Gly Gly Phe Ile Ser Phe Asn Gly
115 120

<210> 411

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 411

Ala His Cys Ser Leu Lys Leu Pro Gly Ser Ser His Pro Leu Ala Ser
1 5 10 15

Ala Ser Xaa Val Ala Gly Ile Thr Gly Val His His Cys His Thr Gln
20 25 30

Leu Ile Phe Asn Phe
35

<210> 412

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 412

Asp Thr Glu Phe His Ser Val Thr Gln Ala Gly Val Glu Trp Cys His
1 5 10 15

Leu Ser Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Gln Phe Ser Cys
20 25 30

Leu Ser Leu Xaa Ser Ser Trp Asp Tyr Arg His Val Pro Pro Cys Leu
35 40 45

Ala Asn Phe Cys Ile Phe
50

<210> 413

<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 413
His Ser Val Thr Gln Ala Gly Val Glu Trp Cys His Leu Ser Ser Leu
1 5 10 15

Gln Pro Leu Pro Pro Gly Phe Lys Gln Phe Ser Cys Leu Ser Leu Xaa
20 25 30

Ser Ser Trp Asp Tyr Arg His Val Pro Pro Cys Leu Ala Asn Phe Cys
35 40 45

Ile Phe
50

<210> 414
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 414
Ser Thr His Cys Asn Leu Arg Leu Leu Gly Ser Ser Asp Ser Pro Ala
1 5 10 15

Ser Ala Ser Arg Val Ala Gly Val Thr Gly Met Cys His His Ala Gln
20 25 30

Leu Ile Phe Val Leu Leu Val Glu Thr Gly Phe Cys His Val Gly Gln
35 40 45

Ala Gly Leu Glu Leu Leu Thr Ser His Asp Leu Arg Thr Xaa Ala Ser
50 55 60

Gln Ser Val Gly Ile Thr Gly Val Ser His Arg Thr Arg Pro Gly Leu
65 70 75 80

Pro Leu Cys Thr Tyr Phe Val Glu Ala Glu Leu Arg Pro Gly
85 90

<210> 415
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 415
Pro Tyr Leu Pro His Phe Xaa Ile Phe Cys Arg Asp Gly Val Ser Leu
1 5 10 15

Cys Cys Pro Gly Trp Ser Xaa Thr Pro Glu Phe Lys Gln Ser Ser Ala
20 25 30

Leu Ala

<210> 416
<211> 13
<212> PRT
<213> Homo sapiens

<400> 416
Glu Cys Trp Asp Tyr Arg His Glu Pro Ser Cys Leu Ala
1 5 10

<210> 417
<211> 7
<212> PRT
<213> Homo sapiens

<400> 417
Leu Pro Lys Cys Trp Ser Ala
1 5

<210> 418
<211> 317
<212> PRT
<213> Homo sapiens

<400> 418
Val Ala Val Leu Cys Val Cys Asp Leu Ser Pro Ala Gln Cys Asp Ile
1 5 10 15

Asn Cys Cys Cys Asp Pro Asp Cys Ser Ser Val Asp Phe Ser Val Phe
20 25 30

Ser Ala Cys Ser Val Pro Val Val Thr Gly Asp Ser Gln Phe Cys Ser
35 40 45

Gln Lys Ala Val Ile Tyr Ser Leu Asn Phe Thr Ala Asn Pro Pro Gln
50 55 60

Arg Val Phe Glu Leu Val Asp Gln Ile Asn Pro Ser Ile Phe Cys Ile
65 70 75 80

His Ile Thr Asn Tyr Lys Pro Ala Leu Ser Phe Ile Asn Pro Glu Val
85 90 95

Pro Asp Glu Asn Asn Phe Asp Thr Leu Met Lys Thr Ser Asp Gly Phe
100 105 110

Thr Leu Asn Ala Glu Ser Tyr Val Ser Phe Thr Thr Lys Leu Asp Ile
115 120 125

Pro Thr Ala Ala Lys Tyr Glu Tyr Gly Val Pro Leu Gln Thr Ser Asp
130 135 140

Ser Phe Leu Arg Phe Pro Ser Ser Leu Thr Ser Ser Leu Cys Thr Asp
145 150 155 160

Asn Asn Pro Ala Ala Phe Leu Val Asn Gln Ala Val Lys Cys Thr Arg
165 170 175

Lys Ile Asn Leu Glu Gln Cys Glu Glu Ile Glu Ala Leu Ser Met Ala
180 185 190

Phe Tyr Ser Ser Pro Glu Ile Leu Arg Val Pro Asp Ser Arg Lys Lys
195 200 205

Val Pro Ile Thr Val Gln Ser Ile Val Ile Gln Ser Leu Asn Lys Thr
210 215 220

Leu Thr Arg Arg Glu Asp Thr Asp Val Leu Gln Pro Thr Leu Val Asn
225 230 235 240

Ala Gly His Phe Ser Leu Cys Val Asn Val Val Leu Glu Val Lys Tyr
245 250 255

Ser Leu Thr Tyr Thr Asp Ala Gly Glu Val Thr Lys Ala Asp Leu Ser
260 265 270

Phe Val Leu Gly Thr Val Ser Ser Val Val Val Pro Leu Gln Gln Lys
275 280 285

Phe Glu Ile His Phe Leu Gln Glu Asn Thr Gln Pro Val Pro Leu Ser
290 295 300

Gly Asn Pro Gly Tyr Val Val Gly Leu Pro Leu Ala Ala
305 310 315

<210> 419

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 419

Cys Leu Leu His Pro Ile Ile Pro Xaa Pro Val Ile Asn Gly Tyr Arg
1 5 10 15

Asn Lys Ser Thr Phe Ser Val Asn Arg Gly Pro Asp Gly Asn Pro Lys

20

25

30

Thr Val Gly Phe Tyr Leu Gly Thr Trp Arg Asp Gly Asn Val Val Cys
 35 40 45

Val Gln Ser Asn His Leu Lys Asn Ile Pro Glu Lys His Ser Gln Val
 50 55 60

Ala Gln Tyr Tyr Glu Val Phe Leu Arg Gln Ser Pro Leu Glu Pro Cys
 65 70 75 80

Leu Val Phe His Glu Gly Gly Tyr Trp Arg Xaa Leu Thr Val Arg Thr
 85 90 95

Asn Ser Gln Gly His Thr Met Ala Ile Ile Thr Phe His Pro Gln Lys
 100 105 110

Leu Ser Gln Glu Glu Leu
 115

<210> 420

<211> 15

<212> PRT

<213> Homo sapiens

<400> 420

Gly Pro Gly Ala Ala Cys Gly Leu Thr Ser Leu Tyr Phe Gln Glu
 1 5 10 15

<210> 421

<211> 54

<212> PRT

<213> Homo sapiens

<400> 421

Gly Trp Gln Ala Leu Arg Glu Glu Ser His Cys Thr Ala Ser Asp Thr
 1 5 10 15

Ser Ser Pro Trp Trp Val Ser Ser Pro Asn Gln Asp Cys Phe Pro Gly
 20 25 30

Met Pro Glu Ile His Gln Asp Gly His Ser Ser Phe Trp Ala Gln Tyr
 35 40 45

Val Arg Glu Ile Ser Pro
 50

<210> 422

<211> 191

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 422

Asn Cys Gln Glu Met Ser Asn Thr Asn Gly Ser Ala Ile Thr Glu Phe
 1 5 10 15

Ile	Leu	Leu	Gly	Leu	Thr	Asp	Cys	Pro	Glu	Leu	Gln	Ser	Leu	Leu	Phe
20															30
Val	Leu	Phe	Leu	Val	Val	Tyr	Leu	Val	Thr	Leu	Leu	Gly	Asn	Leu	Gly
35															45
Met	Ile	Met	Leu	Met	Arg	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr
50															60
Phe	Phe	Leu	Thr	Asn	Leu	Ala	Phe	Val	Asp	Leu	Cys	Tyr	Thr	Ser	Asn
65															80
Ala	Thr	Pro	Gln	Met	Ser	Thr	Asn	Ile	Val	Ser	Glu	Lys	Thr	Ile	Ser
	85														95
Phe	Ala	Gly	Cys	Phe	Thr	Gln	Cys	Tyr	Ile	Phe	Ile	Ala	Leu	Leu	Leu
	100														110
Thr	Glu	Phe	Tyr	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
	115														125
Ile	Xaa	Asp	Pro	Leu	Arg	Tyr	Ser	Val	Lys	Thr	Ser	Arg	Arg	Val	Cys
	130														140
Ile	Cys	Leu	Ala	Thr	Phe	Pro	Tyr	Val	Tyr	Gly	Phe	Ser	Asp	Gly	Leu
	145														160
Phe	Gln	Ala	Ile	Leu	Thr	Phe	Arg	Leu	Thr	Phe	Cys	Arg	Ser	Asn	Val
	165														175
Ile	Asn	His	Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Leu	Ser	
	180														190
<210>	423														
<211>	110														
<212>	PRT														
<213>	Homo sapiens														
<220>															
<221>	SITE														
<222>	(65)														
<223>	Xaa equals any of the naturally occurring L-amino acids														
<220>															
<221>	SITE														
<222>	(90)														
<223>	Xaa equals any of the naturally occurring L-amino acids														
<220>															
<221>	SITE														
<222>	(97)														
<223>	Xaa equals any of the naturally occurring L-amino acids														
<220>															
<221>	SITE														
<222>	(103)														
<223>	Xaa equals any of the naturally occurring L-amino acids														
<400>	423														

Asp Ile Cys Gly Ser Arg Asn Ser Cys Val Ser Cys Val Asp Gly Asn
 1 5 10 15

Ala Thr Cys Phe Trp Ile Glu Cys Lys Gly Lys Ser Tyr Cys Ser Asp
 20 25 30

Asn Ser Thr Ala Gly Asp Cys Lys Val Val Asn Thr Thr Gly Phe Cys
 35 40 45

Ser Ala Lys Thr Thr Leu Pro Ser Thr Thr Thr Ser Thr Thr
 50 55 60

Xaa Thr Thr Ser Gly Thr Thr Asn Thr Thr Leu Ser Pro Thr Ile Gln
 65 70 75 80

Pro Thr Arg Lys Ser Thr Phe Asp Ala Xaa Gln Phe His Trp Arg Asn
 85 90 95

Xaa Pro Cys Leu Gly Val Xaa Ala Val Ile Phe Phe Leu Tyr
 100 105 110

<210> 424
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 424
 Leu Lys Lys Thr Trp Ala Arg Trp Arg His Met Phe Arg Glu Gln Pro
 1 5 10 15

Val Asp Glu Ile Arg Asn Tyr Phe Gly Glu Lys Val Ala Leu Tyr Phe
 20 25 30

Val Trp Leu Gly Trp Tyr Thr Tyr Met Leu Val Pro Ala Ala Leu Thr
 35 40 45

Gly Leu Leu Val Phe Leu Ser Gly Phe Ser Leu Phe Glu Ala Ser Gln
 50 55 60

Ile Ser Lys Glu Ile Cys Glu Ala His Asp Ile Leu Met Cys Pro Leu
 65 70 75 80

Gly Asp His Ser Arg Arg Tyr Gln Arg Leu Ser Glu Thr Cys Thr Phe
 85 90 95

Ala Lys Leu Thr His Leu Phe Asp Asn Asp Gly Thr Val Val Phe Ala
 100 105 110

Ile Phe Met Ala Leu Trp Ala Thr Val Phe Leu Glu Ile Trp Lys Arg
 115 120 125

Gln Arg Ala Arg Val Val Leu His Trp Asp Leu Tyr Val Trp Asp Glu
 130 135 140

Glu Gln
 145

<210> 425
 <211> 44
 <212> PRT

<213> Homo sapiens

<400> 425

Met Glu Ser Arg Ser Val Ser Gln Ala Gly Gly Gln Trp Arg Asp Leu
1 5 10 15

Gly Ser Leu Gln Pro Pro Pro Arg Phe Lys Arg Phe Ser Cys Leu
20 25 30

Gly Leu Pro Lys Cys Trp Asp Tyr Arg His Glu Pro
35 40

<210> 426

<211> 40

<212> PRT

<213> Homo sapiens

<400> 426

Ser Val Ser Gln Ala Gly Gly Gln Trp Arg Asp Leu Gly Ser Leu Gln
1 5 10 15

Pro Pro Pro Pro Arg Phe Lys Arg Phe Ser Cys Leu Gly Leu Pro Lys
20 25 30

Cys Trp Asp Tyr Arg His Glu Pro
35 40

<210> 427

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 427

Pro Arg Leu Lys Gln Ser Phe Cys Leu Asp Leu Pro Arg Cys Trp Asp
1 5 10 15

Tyr Arg His Glu Pro Leu His Leu Ala Phe Ile Xaa Phe Leu Ser Phe
20 25 30

Phe Leu Ser Phe Phe Xaa Met Glu Ser Arg Ser Val Ser Gln Ala
35 40 45

Gly Gly Gln Trp Arg Asp Leu Gly Ser Leu Gln Pro Pro Pro Pro Arg
50 55 60

Phe Lys
65

<210> 428

<211> 44

<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 428

Ala Gln Ala Gly Val Gln Xaa Leu Asn Leu Ser Ser Leu Gln Pro Gln
1 5 10 15

Pro Ala Gly Leu Lys Gln Ser Ser His Pro Ser Leu Pro Ser Ser Trp
20 25 30

Asp Tyr Arg Tyr Ser Thr Pro His Pro Ala Asn Phe
35 40

<210> 429

<211> 31

<212> PRT

<213> Homo sapiens

<400> 429

Phe Phe Cys Arg Asp Gly Ile Ser Pro Cys Cys Pro Gly Trp Ser Arg
1 5 10 15

Thr Pro Arg Leu Arg Arg Ser Ala His Leu Asn Leu Pro Gln Cys
20 25 30

<210> 430

<211> 356

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (253)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 430

Met Phe Gly Thr Leu Leu Tyr Cys Phe Phe Leu Ala Thr Val Pro
1 5 10 15

Ala Leu Ala Glu Thr Gly Gly Glu Arg Gln Leu Ser Pro Glu Lys Ser
20 25 30

Glu Ile Trp Gly Pro Gly Leu Lys Ala Asp Val Val Leu Pro Ala Arg
35 40 45

Tyr Phe Tyr Ile Gln Ala Val Asp Thr Ser Gly Asn Lys Phe Thr Ser
50 55 60

Ser Pro Gly Glu Lys Val Phe Gln Val Lys Val Ser Ala Pro Glu Glu
65 70 75 80

Gln Phe Thr Arg Val Gly Val Gln Val Leu Asp Arg Lys Asp Gly Ser
 85 90 95

 Phe Ile Val Arg Tyr Arg Met Tyr Ala Ser Tyr Lys Asn Leu Lys Val
 100 105 110

 Glu Val Lys Phe Gln Gly Gln His Val Ala Lys Ser Pro Tyr Ile Leu
 115 120 125

 Lys Gly Pro Val Tyr His Glu Asn Cys Asp Cys Pro Leu Gln Asp Ser
 130 135 140

 Ala Ala Trp Leu Arg Glu Met Asn Cys Pro Glu Thr Ile Ala Gln Ile
 145 150 155 160

 Gln Arg Asp Leu Ala His Phe Pro Ala Val Asp Pro Glu Lys Ile Ala
 165 170 175

 Val Glu Ile Pro Lys Arg Phe Gly Gln Arg Gln Ser Xaa Cys His Tyr
 180 185 190

 Thr Leu Lys Asp Asn Lys Val Tyr Ile Lys Thr His Gly Glu His Val
 195 200 205

 Gly Phe Arg Ile Phe Met Asp Ala Ile Leu Leu Ser Leu Thr Arg Lys
 210 215 220

 Val Lys Met Pro Asp Val Glu Leu Phe Val Asn Leu Gly Asp Trp Pro
 225 230 235 240

 Leu Glu Lys Lys Ser Asn Ser Asn Ile His Pro Xaa Phe Ser Trp
 245 250 255

 Cys Gly Ser Thr Asp Ser Lys Asp Ile Val Met Pro Thr Tyr Asp Leu
 260 265 270

 Thr Asp Ser Val Leu Glu Thr Met Gly Arg Val Ser Leu Asp Met Met
 275 280 285

 Ser Val Gln Ala Asn Thr Gly Pro Pro Trp Glu Ser Lys Asn Ser Thr
 290 295 300

 Ala Val Trp Arg Gly Arg Asp Ser Arg Lys Glu Arg Leu Glu Leu Val
 305 310 315 320

 Lys Leu Ser Arg Lys His Pro Glu Leu Ile Asp Ala Ala Phe Thr Asn
 325 330 335

 Phe Phe Phe Lys His Asp Glu Asn Leu Tyr Gly Pro Ile Val Asn
 340 345 350

 Ile Phe His Phe
 355

 <210> 431
 <211> 151
 <212> PRT
 <213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 431
Glu His Ile Ser Phe Phe Asp Phe Phe Lys His Lys Tyr Xaa Ile Asn
1 5 10 15

Ile Asp Gly Thr Val Ala Ala Tyr Arg Leu Pro Tyr Leu Leu Val Gly
20 25 30

Asp Ser Val Val Leu Lys Gln Asp Ser Ile Tyr Tyr Glu His Phe Tyr
35 40 45

Asn Glu Leu Gln Pro Trp Lys His Tyr Ile Pro Val Lys Ser Asn Leu
50 55 60

Ser Asp Leu Leu Glu Xaa Leu Lys Trp Ala Lys Asp His Asp Glu Glu
65 70 75 80

Ala Lys Lys Ile Ala Lys Ala Gly Gln Glu Phe Ala Arg Asn Asn Leu
85 90 95

Met Gly Asp Asp Ile Phe Cys Tyr Tyr Phe Lys Leu Phe Gln Glu Tyr
100 105 110

Ala Asn Leu Gln Val Ser Glu Pro Gln Ile Arg Glu Gly Met Lys Arg
115 120 125

Val Glu Pro Gln Thr Glu Asp Asp Leu Phe Pro Cys Thr Cys His Arg
130 135 140

Lys Lys Thr Lys Asp Glu Leu
145 150

<210> 432
<211> 158
<212> PRT
<213> Homo sapiens

<400> 432
Asp Trp Leu Thr Glu Lys Pro Glu Leu Phe Gln Leu Ala Leu Lys Ala
1 5 10 15

Phe Arg Tyr Thr Leu Lys Leu Met Ile Asp Lys Ala Ser Leu Gly Pro
20 25 30

Ile Glu Asp Phe Arg Glu Leu Ile Lys Tyr Leu Glu Glu Tyr Glu Arg
35 40 45

Asp Trp Tyr Ile Gly Leu Val Ser Asp Glu Lys Trp Lys Glu Ala Ile
50 55 60

Leu Gln Glu Lys Pro Tyr Leu Phe Ser Leu Gly Tyr Asp Ser Asn Met

65 70 75 80

Gly Ile Tyr Thr Gly Arg Val Leu Ser Leu Gln Glu Leu Leu Ile Gln
85 90 95

Val Gly Lys Leu Asn Pro Glu Ala Val Arg Gly Gln Trp Ala Asn Leu
100 105 110

Ser Trp Glu Leu Leu Tyr Ala Thr Asn Asp Asp Glu Glu Arg Tyr Ser
115 120 125

Ile Gln Ala His Pro Leu Leu Arg Asn Leu Thr Val Gln Ala Ala
130 135 140

Glu Pro Pro Leu Gly Tyr Pro Ile Tyr Ser Ser Lys Pro Leu
145 150 155

<210> 433

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 433

Val Arg Met Glu Met Ala Ser Ser Ala Gly Ser Trp Leu Ser Gly Cys
1 5 10 15

Leu Ile Pro Leu Val Phe Leu Arg Leu Ser Val His Val Ser Gly His
20 25 30

Ala Gly Asp Ala Gly Lys Phe His Val Ala Leu Leu Gly Gly Thr Ala
35 40 45

Glu Leu Leu Cys Pro Leu Ser Leu Trp Pro Gly Thr Val Pro Lys Xaa
50 55 60

Val Arg Trp Leu Arg Ser Pro Phe Pro Gln Arg Ser Gln Ala Val His
65 70 75 80

Ile Phe Arg Asp Gly Lys Asp Gln Asp Glu Asp Leu Met Pro Glu Tyr
85 90 95

Lys Gly Arg Thr Val Leu Val Arg Asp Ala Gln Glu Gly Ser Val Thr
100 105 110

Leu Gln Ile Leu Asp Val Arg Leu
115 120

<210> 434

<211> 143

<212> PRT

<213> Homo sapiens

<400> 434

Asp Pro His Gln Leu Phe Asp Asp Thr Ser Ser Ala Gln Ser Arg Gly
1 5 10 15

Tyr Gly Ala Gln Arg Ala Pro Gly Gly Leu Ser Tyr Pro Ala Ala Ser
20 25 30

Pro Thr Pro His Ala Ala Phe Leu Ala Asp Pro Val Ser Asn Met Ala
35 40 45

Met Ala Tyr Gly Ser Ser Leu Ala Ala Gln Gly Lys Glu Leu Val Asp
50 55 60

Lys Asn Ile Asp Arg Phe Ile Pro Ile Thr Lys Leu Lys Tyr Tyr Phe
65 70 75 80

Ala Val Asp Thr Met Tyr Val Gly Arg Lys Leu Gly Leu Leu Phe Phe
85 90 95

Pro Tyr Leu His Gln Asp Trp Glu Val Gln Tyr Gln Gln Asp Thr Pro
100 105 110

Val Ala Pro Arg Phe Asp Val Asn Ala Pro Asp Leu Tyr Ile Pro Ala
115 120 125

Met Ala Phe Ile Thr Tyr Val Leu Val Ala Gly Leu Arg Trp Gly
130 135 140

<210> 435

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 435

Met Asn Met Ser Val Leu Thr Leu Gln Glu Tyr Glu Phe Glu Lys Gln
1 5 10 15

Phe Asn Glu Asn Glu Ala Ile Gln Trp Met Gln Glu Asn Trp Lys Lys
20 25 30

Ser Phe Leu Phe Ser Ala Leu Tyr Ala Ala Phe Ile Phe Gly Gly Arg
35 40 45

His Leu Met Asn Lys Arg Ala Lys Phe Glu Leu Arg Lys Pro Leu Val
50 55 60

Leu Trp Ser Leu Thr Leu Ala Val Phe Ser Ile Phe Gly Ala Leu Arg
65 70 75 80

Thr Gly Ala Tyr Met Val Tyr Ile Leu Met Thr Lys Gly Leu Lys Gln
85 90 95

Ser Val Cys Asp Gln Xaa Phe Tyr Asn Gly Pro Val Ser Lys Phe Trp

100

105

110

Ala Tyr Ala Phe Val Leu Ser Lys Ala Pro Glu Leu Gly Asp Thr Ile
115 120 125

Phe Ile Ile Leu Arg Lys Gln Lys Leu Ile Phe Leu His Trp Tyr His
130 135 140

His Ile Thr Val Leu Leu Tyr Ser Trp Tyr Ser Tyr Lys Asp Met Xaa
145 150 155 160

Cys Arg Gly Gly Trp Phe Met Thr Met Asn Tyr Gly Val His Ala Val
165 170 175

Met Tyr Ser

<210> 436

<211> 98

<212> PRT

<213> Homo sapiens

<400> 436

Arg Trp Asn Phe Ser Leu Ile Ala Gln Ala Gly Val Gln Trp His Asp
1 5 10 15

Leu Gly Ser Pro Gln Pro Pro Pro Gly Leu Lys Arg Phe Ser Phe
20 25 30

Leu Gly Leu Pro Ser Ser Trp Asp Tyr Arg His Ala Pro Pro Cys Pro
35 40 45

Ala Asn Phe Val Phe Leu Val Glu Met Gly Phe Leu His Val Gly Gln
50 55 60

Ala Gly Leu Glu Leu Pro Thr Ser Gly Gly Pro Pro Ala Trp Ala Ser
65 70 75 80

Gln Ser Ala Gly Ile Thr Gly Val Ser His Arg Ala Trp Pro Glu Asn
85 90 95

Ser His

<210> 437

<211> 583

<212> PRT

<213> Homo sapiens

<400> 437

Val Thr Arg Gln Asp Met Asn Asp Ala Val Ile Thr Leu Asn Gly Leu
1 5 10 15

Glu Lys Arg Phe Pro Gly Met Asp Lys Pro Ala Val Ala Pro Leu Asp
20 25 30

Cys Thr Ile His Ala Gly Tyr Val Thr Gly Leu Val Gly Pro Asp Gly
35 40 45

Ala Gly Lys Thr Thr Leu Met Arg Met Leu Ala Gly Leu Leu Lys Pro

50

55

60

Asp Ser Gly Ser Ala Thr Val Ile Gly Phe Asp Pro Ile Lys Asn Asp
 65 70 75 80

Gly Ala Leu His Ala Val Leu Gly Tyr Met Pro Gln Lys Phe Gly Leu
 85 90 95

Tyr Glu Asp Leu Thr Val Met Glu Asn Leu Asn Leu Tyr Ala Asp Leu
 100 105 110

Arg Ser Val Thr Gly Glu Ala Arg Lys Gln Thr Phe Ala Arg Leu Leu
 115 120 125

Glu Phe Thr Ser Leu Gly Pro Phe Thr Gly Arg Leu Ala Gly Lys Leu
 130 135 140

Ser Gly Gly Met Lys Gln Lys Leu Gly Leu Ala Cys Thr Leu Val Gly
 145 150 155 160

Glu Pro Lys Val Leu Leu Leu Asp Glu Pro Gly Val Gly Val Asp Pro
 165 170 175

Ile Ser Arg Arg Glu Leu Trp Gln Met Val His Glu Leu Ala Gly Glu
 180 185 190

Gly Met Leu Ile Leu Trp Ser Thr Ser Tyr Leu Asp Glu Ala Glu Gln
 195 200 205

Cys Arg Asp Val Leu Leu Met Asn Glu Gly Glu Leu Leu Tyr Gln Gly
 210 215 220

Glu Pro Lys Ala Leu Thr Gln Thr Met Ala Gly Arg Ser Phe Leu Met
 225 230 235 240

Thr Ser Pro His Glu Gly Asn Arg Lys Leu Leu Gln Arg Ala Leu Lys
 245 250 255

Leu Pro Gln Val Ser Asp Gly Met Ile Gln Gly Lys Ser Val Arg Leu
 260 265 270

Ile Leu Lys Lys Glu Ala Thr Pro Asp Asp Ile Arg His Ala Asp Gly
 275 280 285

Met Pro Glu Ile Asn Ile Asn Glu Thr Thr Pro Arg Phe Glu Asp Ala
 290 295 300

Phe Ile Asp Leu Leu Gly Gly Ala Gly Thr Ser Glu Ser Pro Leu Gly
 305 310 315 320

Ala Ile Leu His Thr Val Glu Gly Thr Pro Gly Glu Thr Val Ile Glu
 325 330 335

Ala Lys Glu Leu Thr Lys Lys Phe Gly Asp Phe Ala Ala Thr Asp His
 340 345 350

Val Asn Phe Ala Val Lys Arg Gly Glu Ile Phe Gly Leu Leu Gly Pro
 355 360 365

Asn Gly Ala Gly Lys Ser Thr Thr Phe Lys Met Met Cys Gly Leu Leu

370	375	380
Val Pro Thr Ser Gly Gln Ala Leu Val Leu Gly Met Asp Leu Lys Glu		
385	390	395
Ser Ser Gly Lys Ala Arg Gln His Leu Gly Tyr Met Ala Gln Lys Phe		
405	410	415
Ser Leu Tyr Gly Asn Leu Thr Val Glu Gln Asn Leu Arg Phe Phe Ser		
420	425	430
Gly Val Tyr Gly Leu Arg Gly Arg Ala Gln Asn Glu Lys Ile Ser Arg		
435	440	445
Met Ser Glu Ala Phe Gly Leu Lys Ser Ile Ala Ser His Ala Thr Asp		
450	455	460
Glu Leu Pro Leu Gly Phe Lys Gln Arg Leu Ala Leu Ala Cys Ser Leu		
465	470	475
Met His Glu Pro Asp Ile Leu Phe Leu Asp Glu Pro Thr Ser Gly Val		
485	490	495
Asp Pro Leu Thr Arg Arg Glu Phe Trp Leu His Ile Asn Ser Met Val		
500	505	510
Glu Lys Gly Val Thr Val Met Val Thr Thr His Phe Met Asp Glu Ala		
515	520	525
Glu Tyr Cys Asp Arg Ile Gly Leu Val Tyr Arg Gly Lys Leu Ile Ala		
530	535	540
Ser Gly Thr Pro Asp Asp Leu Lys Ala Gln Ser Ala Asn Asp Glu Gln		
545	550	555
Pro Asp Pro Thr Met Glu Gln Ala Phe Ile Gln Leu Ile His Asp Trp		
565	570	575
Asp Lys Glu His Ser Asn Glu		
580		
<210> 438		
<211> 72		
<212> PRT		
<213> Homo sapiens		
<400> 438		
Ser Ile Glu Leu Leu Gly Ser Asp Asp Leu Ser Thr Ser Ala Ser Gln		
1	5	10
15		
Val Val Gly Thr Leu Gly Met Leu Cys His Ala Trp Leu Leu Leu Met		
20	25	30
Tyr Leu Phe Leu Glu Met Arg Ser His Cys Val Ala Gln Thr Gly Leu		
35	40	45
Glu Leu Leu Ala Ser Ser His Pro Pro Phe Ser Ala Ser Thr Val Ala		
50	55	60
Gly Ile Ser Gly Thr Cys His Cys		

65

70

<210> 439
<211> 143
<212> PRT
<213> Homo sapiens

<400> 439
Asp Pro His Gln Leu Phe Asp Asp Thr Ser Ser Ala Gln Ser Arg Gly
1 5 10 15

Tyr Gly Ala Gln Arg Ala Pro Gly Gly Leu Ser Tyr Pro Ala Ala Ser
20 25 30

Pro Thr Pro His Ala Ala Phe Leu Ala Asp Pro Val Ser Asn Met Ala
35 40 45

Met Ala Tyr Gly Ser Ser Leu Ala Ala Gln Gly Lys Glu Leu Val Asp
50 55 60

Lys Asn Ile Asp Arg Phe Ile Pro Ile Thr Lys Leu Lys Tyr Tyr Phe
65 70 75 80

Ala Val Asp Thr Met Tyr Val Gly Arg Lys Leu Gly Leu Leu Phe Phe
85 90 95

Pro Tyr Leu His Gln Asp Trp Glu Val Gln Tyr Gln Gln Asp Thr Pro
100 105 110

Val Ala Pro Arg Phe Asp Val Asn Ala Pro Asp Leu Tyr Ile Pro Ala
115 120 125

Met Ala Phe Ile Thr Tyr Val Leu Val Ala Gly Leu Arg Trp Gly
130 135 140

<210> 440
<211> 234
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 440

Gly Pro Ala Pro Cys Pro Thr Leu Gly Xaa Ser Cys Cys Cys Ser Cys
1 5 10 15

Cys Cys Cys Pro Ser Gly Ala Lys Pro Thr Gln Ala Ala Thr Gly Ser
20 25 30

Gln Gly Cys Pro Ala Cys Pro Gly His Gln Gly Arg Met Gly Thr Thr
35 40 45

Asp Cys Arg Gly Pro Arg Gly Ser Gln Glu Ser Gln Pro Phe Pro Gly
50 55 60

Ser Glu Asp Pro Lys Gly Arg Arg Glu Asn Pro Ala Tyr Pro Ala Ile
65 70 75 80

Leu Gly Lys Met Ala Pro Trp Asp Pro Leu Gly Cys Xaa Gly Xaa Pro
85 90 95

Ala Pro Trp Ala Xaa Leu Glu Ser Gln Lys Phe Gln Ser Val Phe Thr
100 105 110

Val Thr Arg Gln Thr His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg
115 120 125

Phe Asn Ala Val Leu Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr
130 135 140

Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His
145 150 155 160

Ala Ser His Thr Ala Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val
165 170 175

Lys Val Val Thr Phe Cys Gly His Thr Ser Lys Thr Asn Gln Val Asn
180 185 190

Ser Gly Gly Val Leu Leu Arg Leu Gln Val Gly Glu Glu Val Trp Leu
195 200 205

Ala Val Asn Asp Tyr Tyr Asp Met Val Gly Ile Gln Gly Ser Asp Ser
210 215 220

Val Phe Ser Gly Phe Leu Leu Phe Pro Asp
225 230

<210> 441

<211> 97

<212> PRT

<213> Homo sapiens

<400> 441

Gly Phe Thr Leu Trp Gly Ser Glu Tyr Ser Trp Asn Trp Asn Ala Ile
1 5 10 15

Asp Glu Gly Pro Lys Arg Asp Ile Val Lys Glu Leu Glu Val Ala Ile
20 25 30

Arg Asn Arg Thr Asp Leu Arg Phe Gly Leu Tyr Tyr Ser Leu Phe Glu
35 40 45

Trp Phe His Pro Leu Phe Leu Glu Asp Glu Ser Ser Ser Phe His Lys
50 55 60

Arg Gln Phe Pro Val Ser Lys Thr Leu Pro Glu Leu Tyr Glu Leu Val
65 70 75 80

Asn Asn Tyr Gln Pro Glu Val Leu Trp Ser Asp Gly Asp Gly Gly Glu
85 90 95

Pro

<210> 442

<211> 50

<212> PRT

<213> Homo sapiens

<400> 442

Ala His Ser Ala Thr Arg Phe Asp Pro Thr Trp Glu Ser Leu Asp Ala
1 5 10 15

Arg Gln Leu Pro Ala Trp Phe Asp Gln Ala Lys Phe Gly Ile Phe Ile
20 25 30

His Trp Gly Val Phe Ser Val Pro Ser Phe Gly Ser Glu Trp Phe Trp
35 40 45

Leu Tyr

50

<210> 443

<211> 28

<212> PRT

<213> Homo sapiens

<400> 443

Tyr Trp Asn Ser Thr Gly Phe Leu Ala Trp Leu Tyr Asn Glu Ser Pro
1 5 10 15

Val Arg Gly Thr Val Val Thr Asn Asp Arg Trp Gly
20 25

<210> 444

<211> 309

<212> PRT

<213> Homo sapiens

<400> 444

Phe His Phe Thr Asp Cys Leu Phe Phe Gly Ser Leu Met Ser Ala Thr
1 5 10 15

Asp Pro Val Thr Val Leu Ala Ile Phe His Glu Leu His Val Asp Pro
20 25 30

Asp Leu Tyr Thr Leu Leu Phe Gly Glu Ser Val Leu Asn Asp Ala Val
35 40 45

Ala Ile Val Leu Thr Tyr Ser Ile Ser Ile Tyr Ser Pro Lys Glu Asn
50 55 60

Pro Asn Ala Phe Asp Ala Ala Ala Phe Phe Gln Ser Val Gly Asn Phe
 65 70 75 80

 Leu Gly Ile Phe Ala Gly Ser Phe Ala Met Gly Ser Ala Tyr Ala Ile
 85 90 95

 Ile Thr Ala Leu Leu Thr Lys Phe Thr Lys Leu Cys Glu Phe Pro Met
 100 105 110

 Leu Glu Thr Gly Leu Phe Phe Leu Leu Ser Trp Ser Ala Phe Leu Ser
 115 120 125

 Ala Glu Ala Ala Gly Leu Thr Gly Ile Val Ala Val Leu Phe Cys Gly
 130 135 140

 Val Thr Gln Ala His Tyr Thr Tyr Asn Asn Leu Ser Ser Asp Ser Lys
 145 150 155 160

 Ile Arg Thr Lys Gln Leu Phe Glu Phe Met Asn Phe Leu Ala Glu Asn
 165 170 175

 Val Ile Phe Cys Tyr Met Gly Leu Ala Leu Phe Thr Phe Gln Asn His
 180 185 190

 Ile Phe Asn Ala Leu Phe Ile Leu Gly Ala Phe Leu Ala Ile Phe Val
 195 200 205

 Ala Arg Ala Cys Asn Ile Tyr Pro Leu Ser Phe Leu Leu Asn Leu Gly
 210 215 220

 Arg Lys Gln Lys Ile Pro Trp Asn Phe Gln His Met Met Met Phe Ser
 225 230 235 240

 Gly Leu Arg Gly Ala Ile Ala Phe Ala Leu Ala Ile Arg Asn Thr Glu
 245 250 255

 Ser Gln Pro Lys Gln Met Met Phe Thr Thr Thr Leu Leu Leu Val Phe
 260 265 270

 Phe Thr Val Trp Val Phe Gly Gly Thr Thr Pro Met Leu Thr Trp
 275 280 285

 Leu Gln Ile Arg Val Gly Val Asp Leu Asp Glu Asn Leu Lys Glu Asp
 290 295 300

 Pro Ser Ser Gln His
 305

 <210> 445
 <211> 94
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 445

Ser Met Glu Val Gly Val Cys Val Glu Ala Tyr Arg Gln Glu Ala Glu
1 5 10 15

Thr His Arg Arg His Xaa Asn Ser Ala Phe Met Thr Phe Val Val Leu
20 25 30

Asp Ala Asp Asp Gln Pro Gln Leu Leu Pro Trp Ile Arg Pro Gln Pro
35 40 45

Gly Asp Gly Glu Arg Arg Tyr Arg Glu Ala Ser Ala Arg Lys Lys Ile
50 55 60

Arg Leu Asp Arg Lys Tyr Ile Val Ser Cys Lys Gln Thr Glu Val Pro
65 70 75 80

Leu Ser Val Pro Trp Asp Pro Ser Asn Gln Val Tyr Leu Ser
85 90